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COUNTY BOROUGH OF SALFORD.

ANNUAL REPORT

OF THE

MEDICAL OFFICER OF HEALTH

FOR THE YEAR

1906,

BY

C. H. TATTERSALL,

MEDICAL OFFICER OF HEALTH.



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SALFORD :
W. F. JACKSON AND SONS, THE MANOR PRESS,
1907.

MEMBERS OF THE HEALTH COMMITTEE.

1906.

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Mr. Alderman DESQUESNES, *Deputy-Chairman*.

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(*Mayor*).

Alderman Sir W. STEPHENS, J.P.
(*Deputy-Mayor*).

Mr. Alderman HULTON.

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„ „ PINDER, J.P.

„ „ WHITTLE.

„ „ WIGLEY.

TO THE HEALTH COMMITTEE.

GENTLEMEN,

I have pleasure in submitting for your consideration the Annual Report on the Health of Salford during the year 1906, detailing the work carried out by the Department under your control.

The death rate for this year was 18·5, which is below the average of the past five years.

The work of the Health Visitors, in dealing with Infant Mortality, has been extended, and although Summer Diarrhœa was very prevalent the deaths among Infants only reached 162 per thousand births.

Much work has been done in connection with School Inspection, and Dr. Butterworth has prepared the statistical results given in Part IV. of this report.

I have the honour to be, Gentlemen,

Your obedient servant,

C. H. TATTERSALL,

Town Hall,

Salford,

April, 1907.



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PART I.
MORTALITY STATISTICS.

PART I.

MORTALITY STATISTICS.

POPULATION.

The Registrar-General estimates that the population of the County Borough of Salford was **234,077** in the middle of 1906, and this number—which is ascertained by assuming that the population of the Borough continues to increase at the same rate as in the decennium 1891 to 1901—is made the basis on which the various Birth, Death, and Sickness rates mentioned in this report are calculated.

The male population is estimated to be **113,136**, and the female **120,941**.

The age distribution of the population is—

Under five years of age	28,160
From 5 to 15	49,519
„ 15 to 25	48,005
„ 25 to 65	101,580
Over 65	6,813

The population is divided among the four districts as follows :—

Regent Road	74,396
Greengate	51,203
Pendleton	49,025
Broughton	59,453

The natural increase of the population for the year, that is, the excess of births over deaths is 2,737 as compared with the estimated increase of 2,563.

BIRTHS.

There were 7,059 births registered in the Borough in 1906, 3,645 being males and 3,414 females, giving a **birth-rate of 30·2** per thousand of the population.

This is a decrease from the previous year of 106 births, or a reduction in the birth-rate of 0·4 per thousand.

The birth-rate in the Regent Road District was 31·4 ; in the Greengate District, 34·3 in Pendleton, 30·3 ; and in Broughton, 24·9.

The birth-rate for the 76 large towns averaged 27·8, and for the whole of England and Wales, 27·0 ; as compared with 30·2 in Salford.

There were 216 births registered as illegitimate, or 3·1 per cent. of the total births.

The illegitimate births in the various districts were—

Regent Road, 69 or 2·9 per cent. of the total births.

Greengate, 67 or 3·8 „ „ „

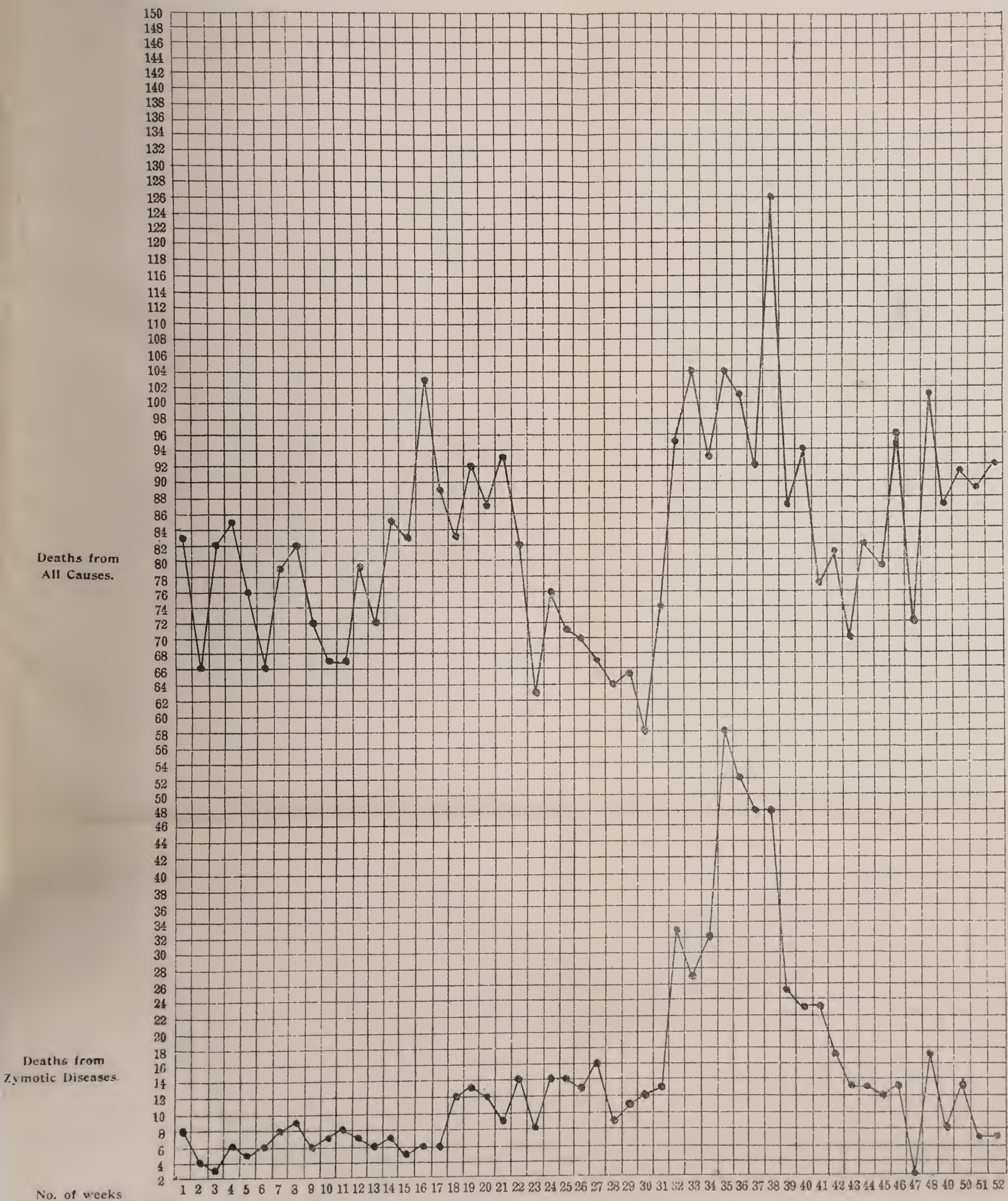
Pendleton, 35 or 2·4 „ „ „

Broughton, 45 or 3·0 „ „ „

The average rates for the preceding ten years were :—
Regent Road, 3·1 per cent. ; Greengate, 4·2 per cent. ;
Pendleton, 3·3 per cent. ; and Broughton, 2·9 per cent.

There were 55 illegitimate births in the first quarter 57 in the second, 53 in the third, and 51 in the fourth.

Deaths in each week from All Causes, and from Zymotic Diseases, 1906.



Still Births.—I have ascertained from the Registrars of the Cemeteries that the bodies of 273 still-born children have been buried. It is greatly to be regretted that there is still no sign of legislation to compel the registration of still births. At the recent Conference on Infantile Mortality, the importance of the compulsory registration of still births was insisted upon, and it is to be hoped that the representations made to His Majesty's Government will bear fruit in legislation.

DEATHS.

The total number of deaths registered in the Borough during 1906 was 4,322, of which number 2,233 were males and 2,089 females, giving a **death rate of 18·5** per thousand of the population.

There were 986 deaths in the first quarter of the year, 1,079 in the second, 1,141 in the third, and 1,116 in the fourth.

The accompanying chart shows the number of deaths registered weekly from all causes, and from zymotic diseases, respectively.

District Mortality Rates.—The death-rate in the Regent Road District was 19·1 per thousand, as compared with 21·4 the average for the preceding five years and 18·5 the death-rate for the whole Borough.

In Greengate the death-rate was 22·9 per thousand, as compared with 26·1 per thousand for the preceding five years ; in Pendleton it was 16·0, as compared with 18·5 ; and in Broughton 15·9, as compared with 14·5, the average for the preceding five years.

Thus Regent Road and Greengate were above the average for the Borough, and Pendleton and Broughton were below it.

Deaths at Various Ages.—These are shown in detail in Tables Nos. 3, 6, and 12.

Comparing the death-rates with the previous year, it is found that under five years of age the rate is 61·9 per thousand against 56·7; from 5 to 15 years of age the rate is 3·6 against 3·3; from 15 to 25, 3·5 against 3·4; from 25 to 65, 14·7 against 14·2; and over 65, 108·5 against 97·4 per thousand.

Infant Mortality.—There were 1,141 deaths of infants under one year of age, registered during the year, giving a death-rate of 162 per thousand births. This is an increase on the previous year, when the death-rate was 148 per thousand births, but is still considerably under the average of the preceding five years, which was 174 per thousand births. The increase from last year was due entirely to the Diarrhœa which was so prevalent in the Autumn.

The chief causes of death among infants, compared with the average of the preceding five years were—

Zymotic diseases	402	compared with	386
Atrophy, marasmus, debility	136	„ „	165
Premature birth	142	„ „	157
Convulsions	71	„ „	80
Bronchitis and pneumonia	142	„ „	195
Disease of digestive system	98	„ „	102

The 402 deaths from zymotic disease were principally due to diarrhœa, 260; enteritis, 57; and tuberculosis, 52.

The work of the Visitors of the Ladies' Health Society in the Greengate District, in keeping each newly born child under observation, has been continued, and the information contained in Tables A, B and C has been obtained.

The figures with reference to the feeding and mortality of 956 infants kept under observation are given in Table A, and it is noteworthy that among the 956 infants visited by the Health Visitors the death rate was only 119·2 per thousand as compared with 162 for the whole Borough. Considering that the work is confined to the poorest districts of the town, this result of our efforts is most satisfactory. Further the proportion of breast fed infants has increased from 83·4 to 87·8—this showing one good influence of our Health Visitors. As usual the effect of breast feeding even if only partial, is very clearly shown, the death-rate among children fed from the bottle alone being 480 per thousand, as compared with 91 per thousand among the breast fed.

It should be stated that 10 out of the 124 deaths, shown in Table B, occurred before the infants received any food, and 9 others before they came under observation.

TABLE A. - SHEWING NATURE OF FOOD AND TOTAL DEATHS AMONG
THE BIRTHS SPECIALLY FOLLOWED UP.

Nature of Food.	Number of Births.	Per cent. of total.	Number of Deaths.	Rate per 1,000. Births.
Breast only	839	87·8	77	91·7
Breast with other milk or food	55	5·8	8	145·5
Fresh milk	52	5·4	25	480·8
Other Food	10	1·0	4	400·0
Totals	956	...	114	119·2

TABLE D.—DEATHS OF INFANTS UNDER ONE YEAR, BORN IN GREENGATE, DURING THE YEAR 1905.

Cause of Death.	Under 1 Month.	Over 1 and Under 2 Months.	Over 2 and Under 3 Months.	Over 3 and Under 4 Months.	Over 4 and Under 5 Months.	Over 5 and Under 6 Months.	Over 6 and Under 7 Months.	Over 7 and Under 8 Months.	Over 8 and Under 9 Months.	Over 9 and Under 10 Months.	Over 10 and Under 11 Months.	Over 11 and Under 12 Months.	Total.	Rate per 1,000 Births.
Premature Birth ...	6	3	...	1	...	...	...	...	...	...	...	...	10	10·3
Congentl. Malform.	1	1	...	1	...	...	...	...	...	...	...	...	3	3·1
Debility & Atrophy.	7	4	1	1	...	2	1	1	...	...	1	...	18	18·6
Lung Disease	2	2	3	1	4	1	1	3	5	3	1	...	26	26·9
Tubercular Disease	...	...	...	...	...	1	1	1	...	...	...	...	3	3·1
Enteritis .....	...	...	...	...	...	...	...	...	1	...	...	...	1	1·0
Diarrhoea	1	5	3	1	6	2	2	3	1	3	2	...	29	30·0
Convulsions	5	...	1	1	...	...	...	...	...	...	...	...	7	7·2
Measles .....	...	...	...	...	...	...	1	1	2	1	3	...	8	8·2
Whooping Cough...	...	...	1	2	...	1	...	...	...	1	...	...	5	5·2
Overlaid	2	...	...	1	...	...	...	...	...	...	...	...	3	3·1
Other Causes	4	2	2	...	1	...	...	...	...	2	...	...	11	11·4
Totals.....	28	17	11	9	11	7	6	9	9	10	7	...	124	128·2

TABLE C.—SHEWING THE DEATHS OF INFANTS UNDER ONE YEAR, WITH THE NATURE OF FOOD,
AND THEIR DEATH RATES PER 1,000 BIRTHS.

CAUSE OF DEATH.	TOTALS.	I. Breast only.	Rate per 1000 Births.	II. Breast, with other Milk or Food.	Rate per 1000 Births.	III. Fresh Milk.	Rate per 1000 Births.	IV. Other Food.	Rate per 1000 Births.
Premature Birth	6	3	3.6	1	18.2	2	38.5	...	...
Congenital Malformation	2	2	2.4	...	...	...	...	...	...
Debility and Atrophy	16	9	10.7	2	36.4	3	57.7	2	200.0
Lung Disease	26	17	20.3	3	54.5	5	96.2	1	100.0
Tubercular Disease	3	1	1.2	...	...	2	38.5	...	...
Enteritis	1	...	...	...	...	1	19.2	...	...
Diarrhoea	29	16	19.0	2	36.4	10	192.3	1	100.0
Convulsions	6	6	7.2	...	...	...	...	...	...
Measles	8	7	8.4	...	...	1	19.2	...	...
Whooping Cough	5	4	4.8	...	...	1	19.2	...	...
Overlaid	3	3	3.6	...	...	...	...	...	...
Other Causes of Death	9	9	10.7	...	...	...	...	...	...
TOTALS	114	77	91.7	8	145.4	25	480.7	4	400.0

There were 32 illegitimate children among the 967 observed. Of these 9 died, 8 removed out of the district and were lost sight of, and 15 lived to the age of 12 months.

The Visitors again report that there is increased willingness on the part of mothers to accept their instructions, and carry them out. One new District has been opened during the year, and I hope another one will be opened in 1907. This work promises so well that there is every encouragement to extend it. It will be seen from Table B that 56 out of the 124 deaths occurred in the first three months of life, 28 occurring in the first month. It is very doubtful whether we shall ever be able to influence materially those occurring in the first month of life, except by advising the mother as to the conduct of her life while pregnant, most of these deaths being primarily due to the debilitated condition of the child at birth. Comparing the deaths from Diarrhoea among those visited, and the total for the Borough we find that whereas the Borough death rate from diarrhoea for infants is 37 per thousand births it is only 30 among those visited.

In Table No. 14 the infant mortality rate for the 33 Great Towns is given, and Salford is 25th on the list.

Compared with the eight Lancashire Towns as regards Infantile Mortality Salford stands fourth, the rates being Bolton 140, Oldham 146, Blackburn 156, Salford 162, Manchester 167, Liverpool 172, Preston 199, and Burnley 212.

Senile Mortality.—739 or 17 per cent. of the total deaths were those of persons of 65 years of age or over, this is one per cent. more than last year.

Of these 118 were certified to have died from old age, 109 from heart disease, 200 from bronchitis, 43 from pneumonia, and 88 from brain disease.

Comparison of the Death Rate in Salford with that in the 33 Great Towns.—This is shown in Table No. 14 where the details will be found.

The death rate for the year in the whole of England and Wales was 15·4 per thousand, in the 76 Great Towns it is averaged 15·9, and in Salford it was 18·5 per thousand

Classification of the Causes of Death.—This is set out in full detail in Table No. 12 appended to this report. From this it is seen that of this total, 4,322 deaths from all causes, there were from—

Zymotic diseases	1,379	deaths,	or	31·9	per cent. of the total deaths.
Constitutional	„	210	„	4·9	„
Developmental	„	320	„	7·4	„
Local	„	2,004	„	46·4	„
Other	„	409	„	9·4	„
		<u>4,322</u>		<u>100·0</u>	

Zymotic Diseases.—The zymotic death rate for the year was 3·2 per thousand of the population, as compared with 2·5 in the previous year, 4·3 in 1904, and 2·8 in 1903.

The deaths from the various diseases are given in the following table :—

	1906.	1905.		1906.	1905.
Measles.....	185	73	Whooping Cough...	52	46
Scarlet Fever	44	66	Diphtheria	90	81
Fever {	Typhus ...	—	Diarrhœa	341	275
	Enteric ...	41	Small-pox	—	—
	Continued..	1			

Detailed information as to Zymotic sickness will be found in Part II. of this report.

Acute Lung Diseases.—From bronchitis, pneumonia, and pleurisy, 880 deaths were registered, against 825 for 1905, 910 for 1904, and 882 for 1903. From bronchitis there were 458 deaths, giving a death rate of 2.0 per 1,000 persons living, while from pneumonia there were 413 deaths, giving a death rate of 1.8.

From respiratory diseases generally there were 62 more deaths than in 1905.

Cancer.—There were 177 deaths registered as being due to cancer or malignant disease, giving a death rate of 0.7 per thousand, as compared with 0.6 of last year.

Nervous Diseases.—From the various nervous diseases there were 376 deaths, giving a death rate of 1.6 per 1,000, as compared with 1.6 in 1905, 1.7 in 1904, 1.9 in 1903, and 2.2 the average for the five years 1898 to 1902.

Heart Disease.—There were 336 deaths from heart disease. This gives a death rate of 1.4 per 1,000, compared with 1.6 for 1905, 1.6 for 1904, 1.4 for 1903, and 1.4 the average for the five years 1898 to 1902.

Comparison with Decennial Averages.—In Table 13 there will be found an interesting comparison of the deaths from various specified causes in 1906, with the decennial average number for the Borough, and from this it will be seen that in three diseases only was there an increase, viz., measles 1, diphtheria 12, and heart disease 14.

The greatest diminution was in respiratory diseases, which were 112 below the average, and the greatest excess was in heart diseases, which were 14 above the average.

Phthisis, Tubercular Diseases, and Influenza.—The mortality from these diseases will be found in Part II. of this report.

PART II.

INFECTIOUS DISEASES.

PART II.

INFECTIOUS DISEASES.

The total number of cases of infectious disease notified to the Health Department, under the Infectious Diseases Notification Act for the year 1906, was 1,725, which is 48 more than in the previous year and 88 below the average for the preceding five years.

There were 904 cases of scarlet fever, 432 of diphtheria, and 225 of enteric fever. Full details, for comparison, of these figures with preceding years will be found in Table No. 18, but it may be here stated that these numbers show with the exception of diphtheria and enteric, a decrease from those of 1905, and also, with the exception of diphtheria and enteric, a decrease from the average of the preceding five years.

The death rate from the seven zymotics for the year was 3·2 per thousand, compared with 2·5 in 1905, 4·3 for 1904, 2·8 for 1903, and 2·6 for 1902. These figures include the deaths from diarrhœa, measles, and whooping cough, in addition to the notifiable diseases.

Particulars as to sickness from the non-notifiable infectious diseases cannot be given, but the particulars of mortality are as follows :—

Phthisis	393	deaths.
Other Tubercular Diseases	141	„
Measles	185	„

Whooping Cough	52 deaths.
Diarrhœa	34 ¹ „
Influenza	33 „

This shows a marked increase in the deaths from phthisis, measles, and diarrhœa, when compared with the figures for 1905.

The accompanying chart shows the weekly incidence of the cases notified, from which it will be seen that the highest number in any one week was 55, which occurred in the 42nd week (October), and the lowest number was 15 in the 9th week (March). In 1905 the highest number was 47 in the 11th week, and the lowest 19 in the 4th and 8th weeks.

Comparison with England and Wales, &c.—The mortality rates from scarlet fever, diphtheria, whooping cough, measles, and diarrhœa, are given in Table No. 23, where they are compared with the similar rates for England and Wales, the 76 Great Towns, and London.

SMALL POX.

No case of small pox has occurred during the year.

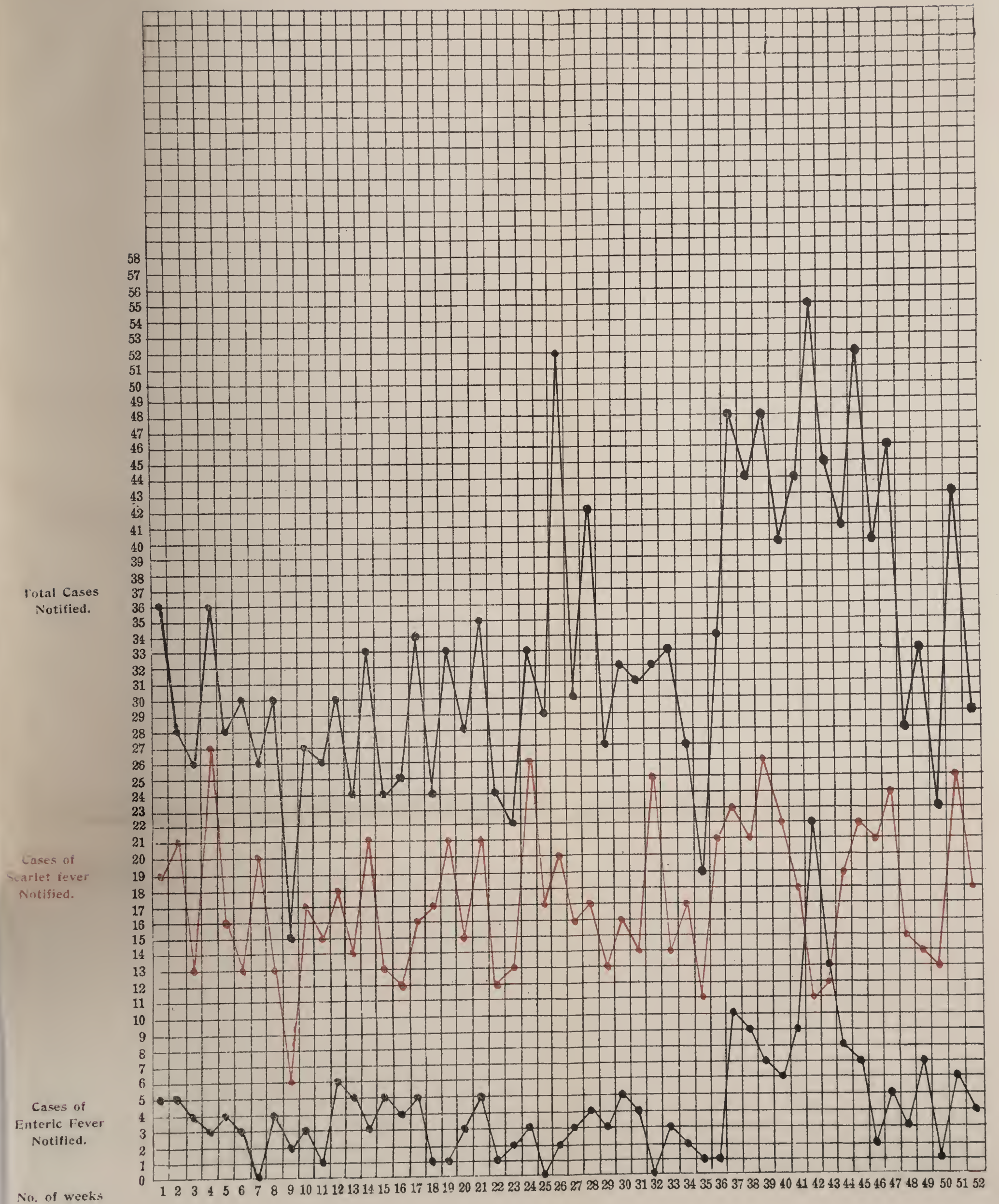
SCARLET FEVER.

There were 904 cases of scarlet fever notified during 1906. This number is less by 56 than that for the preceding year and 64 fewer than the average for the preceding five years.

The attack rate is therefore 38·6 per 10,000 of the population, as compared with 41·5 for the preceding year.

Notifications of Infectious Disease, 1906.

Shewing total number of cases notified, cases of Scarlet Fever and Enteric Fever,
in each week of the year.



Ages.	Cases.	Deaths.	
		Total.	Percentage.
Under 1 year ...	7	...	...
1 to 5 years...	305	29	9·5
5 to 15 „ ...	521	15	2·9
15 to 25 „ ...	50	...	...
25 to 65 „ ...	21	...	...
Over 65 „ ...	...	...	...
TOTAL.....	904	44	4·9

There were 44 deaths, giving a mortality rate of 4·9 per cent. of the cases or 0·19 per thousand of the population.

The cases were spread over the whole year, as shown on the accompanying chart, being most numerous in the month of September, when there were 102 notifications, and fewest in February, April, and July, when there were 62 notifications.

SCARLET FEVER SICKNESS.—RATES PER 1,000 OF THE POPULATION.

	1901.	1902.	1903.	1904.	1905.	Mean.	1906.
Salford (Borough)...	5·96	3·28	3·25	4·55	4·15	4·24	3·86
Regent Road	4·86	2·49	2·84	4·02	5·69	3·98	3·98
Greengate	9·13	3·02	3·11	2·65	2·64	4·11	3·87
Pendleton	4·97	3·37	4·09	5·06	4·77	4·45	3·94
Broughton	6·73	5·04	2·78	5·83	3·01	4·68	3·65

In respect of age scarlet fever showed itself to be mainly a disease of youth, 58 per cent. of the cases occurring between the ages of five and fifteen, 8 per cent. were over fifteen years of age, and 34 per cent, were children under five years of age. The mortality, as might be expected, is much the heaviest among the latter, being 9·5 per cent of the cases, whereas between the ages of five and fifteen and over fifteen the mortality was 2·5 per cent.

There were removed to the Ladywell Sanatorium 695 cases, or 77 per cent. of the total cases.

DIPHTHERIA.

There were 432 cases of diphtheria notified during 1906, compared with 363 in 1905, and 366 the average for the preceding five years.

There were 90 deaths registered from diphtheria, giving a death rate of 21 per cent. of those attacked, compared with a death rate of 22 per cent. in 1905, and an average for the preceding five years of 27 per cent.

AGES.	CASES.	DEATHS.	
		TOTAL.	PERCENTAGE.
Under 1 year ...	8	3	37·5
1 to 5 „ ...	179	54	30·2
5 to 15 „ ...	183	31	16·9
15 to 25 „ ...	34	...	...
25 to 65 „ ...	28	2	7·1
Over 65 „ ...	...	...	...
TOTAL.....	432	90	20·8

The cases were spread over the whole year, the numbers ranging from 19 in January to 59 in November.

With regard to age, 370 cases or 86 per cent. were children under 15 years of age, and 187 cases or 43 per cent. were children under five years of age, the mortality amongst the latter class being very heavy, the deaths reaching the large proportion of 35 per cent. of the cases.

In respect to district, 179 cases occurred in Regent Road district, 79 in Greengate, 79 in Pendleton, and 95 in Broughton. The attack rate was highest in Regent Road, being 24.0 per 10,000 persons living, and the lowest in Greengate, where it was 15.0 per 10,000.

During the year 155 specimens were forwarded by the medical practitioners to Professor Delepine for bacteriological examination. Where a positive result is obtained, an immediate and distinct advantage is gained by practitioner and patient, as it is usually followed up at once by anti-toxin injections.

A negative result is unfortunately not decisive in diphtheria, but the following table will show that the cases giving a negative result were evidently of a less serious character.

It is unfortunate that Practitioners do not take more advantage of the arrangements for the examination of swabs from the throats of cases or suspected cases of Diphtheria.

	Cases.	Mortality.	Percentage.
Notification of Diphtheria.....	432	90	20·8
Specimens submitted to Bacteriological examination with Positive results	60	3	5·0
Specimens submitted to Bacteriological examination with Negative results.....	95	...	...

Comparing Salford with England and Wales, the 76 Great Towns, and London, the mortality rates per 10,000 living were as follows :—

England and Wales	2
76 Great Towns	2
London	1
Salford	4

ENTERIC OR TYPHOID FEVER.

There were 225 cases of enteric fever notified during 1906, which is an increase of 83 when compared with 1905, and an increase of 16, the average of the preceding five years. This gives an attack rate for the Borough of 96 per 100,000 persons living. Out of the 225 cases, 41 died, giving a mortality rate of 18 per cent.

The cases were most numerous in the month of October, reaching their highest point, 22 cases, in the 42nd week ; they were least numerous in the months of June and August. On referring to the accompanying chart, it will be seen that the Autumnal rise was well marked.

With regard to age, the cases were most numerous in the age period 25 to 65 years, the number (106) being 47 per cent. of the total cases.

AGES.	CASES.	DEATHS.	
		TOTAL.	PERCENTAGE.
Under 1 year ...	...	...	...
1 to 5 „ ...	15	2	13·3
5 to 15 „ ...	45	1	2·2
15 to 25 „ ...	59	12	20·3
25 to 65 „ ..	106	26	24·5
Over 65 „ ...	...	...	...
TOTAL.....	225	41	18·2

In respect to district, 106 cases occurred in Regent Road District, 35 in Greengate, 70 in Pendleton, and 14 in Broughton. The attack rates in the various districts were 142 per 100,000 living in Regent Road District, 68 in Greengate, 143 in Pendleton, and 23 in Broughton.

There were 157 cases removed to the Sanatorium, or 70 per cent. of the total cases, as compared with 70 per cent. in 1905, 74 in 1904, 66 in 1903, and 57 in 1902.

ENTERIC FEVER.

	Cases.	Mortality.	Percentage.
Notification of Enteric Fever...	225	41	18·2
Specimens submitted to Bacteriological examination with Positive results	56	4	7·1
Specimens submitted to Bacteriological examination with Negative results	84	1	1·2

PUERPERAL FEVER.

There were 21 cases of this disease notified during the year, of which 7 occurred in Regent Road District, 2 in Greengate, 4 in Pendleton, and 8 in Broughton.

There were 7,059 births during the year, so that the attack rate was 0·3 per cent.

Of these cases 6 died, giving a mortality rate of 29 per cent.

ERYSIPELAS.

There were 142 cases of erysipelas during the year 1906, as against 176 in 1905, 168 in 1904, 161 in 1903, 164 in 1902, 230 in 1901, 179 in 1900, and 153 in 1899.

There appears to be very little advantage from the notification of this disease, as nothing of a preventive nature can be accomplished by the Health Department.

MEASLES.

There were 185 deaths from measles during the year, giving a death rate of 79 per 100,000 living. This rate is more than double the number for last year, which was 31; the numbers for the preceding five years being 1900, 57; 1901, 51; 1902, 68; 1903, 57; and 1904, 111.

An arrangement is in existence with the officials of the Education Committee, who advise the department of every case of this disease coming to their notice. The cases are then visited, and the parents advised as to the precautions to be taken.

Leaflets are issued and distributed by the Health Visitors pointing out the dangerous character of the

disease, and advising as to the precautions to be taken to prevent its spread.

On November 29th, a special report was presented to the Committee on the mortality from measles during the year, as follows :—

“The total deaths from measles for the 45 weeks of the year up to the present time number 160, namely, 8 in the first quarter, 70 in the second quarter, 66 in the third quarter, and 16 in the first 6 weeks of the last quarter.

“The average number of deaths from measles in the Borough for the 10 years ending 1904 was 198, as shown in Table 11 of my last Annual Report, and there is every reasonable prospect that the deaths in the present year will be considerably under the average.

“Small outbreaks have occurred in various parts of the Borough in May, June, July, and August. These were connected with the following Infant Schools :—London Street, Pendleton ; St. Sebastian's, Pendleton ; St. George's, Pendleton ; St. James', Broughton ; Marlborough Road, Broughton ; and St. Cyprian's, Regent.

“No one of these became serious in its dimensions, and they were easily controlled by the ordinary methods we have adopted in these cases, namely :—

“1. The daily examination of the children in Infant Schools affected, with the immediate exclusion of any child showing the slightest sign of ill-health, and also of any child coming from an infected house.

“2. The distribution of the leaflets attached hereto.

“ It has not been necessary to close any Schools, and in my opinion the method we adopt is much more efficacious than school closing in controlling an outbreak of measles.”

WHOOPING COUGH.

There were 52 deaths from whooping cough during the year, 50 of which occurred among children under five years of age. The death rate for the Borough was 22 per 100,000 persons living, as compared with 19 for 1905, and 43 the average for the past five years. The death rate for England and Wales was 23 per 100,000, and the average for the 76 great towns was 28.

In Regent Road District there were 12 deaths, 15 in Greengate, 8 in Pendleton, and 17 in Broughton.

DEATHS FROM WHOOPING COUGH IN THE YEAR 1906.

QUARTERS.	AT ALL AGES.					UNDER FIVE YEARS				
	Borough.	Regent Road.	Greengate.	Pendleton.	Broughton.	Borough	Regent Road.	Greengate.	Pendleton.	Broughton.
1st.	25	6	8	6	5	24	6	8	6	4
2nd.	14	5	4	...	5	14	5	4	...	5
3rd.	4	...	2	...	2	4	...	2	...	2
4th.	9	1	1	2	5	8	1	1	2	4
Year	52	12	15	8	17	50	12	15	8	15

DIARRHŒA.

The death rate from diarrhœa was 1·46 per 1,000 living, as compared with 1·18 last year, 1·61 in 1904, 0·99 in 1903, 0·63 in 1902, and 1·86 in 1901.

TUBERCULOSIS.

During the year there were 534 deaths from phthisis and other tubercular diseases.

In every case of death from phthisis the house is visited, and consent to thorough disinfection is requested. Disinfection is then carried out free of charge. Leaflets of precautions to be taken have been supplied to all the medical men with a request that they would give them to their patients, and the lady visitors have visited the houses of the sick, and given instructions as to the best methods of preventing the spread of the disease.

To assist in the diagnosis of difficult cases the Committee have also arranged for the examination of specimens of sputum, &c., free of charge to the medical practitioners.

There were 84 specimens examined bacteriologically during the year.

DEATHS FROM TUBERCULOSIS.

Tuberculosis of Lungs	393
„ Abdominal.....	47
„ Brain	38
„ Larynx .....	...
„ Other forms	56

EPIDEMIC INFLUENZA.

Thirty-three deaths were returned as directly due to this cause. There were 11 in Broughton, 7 in Pendleton, 13 in Greengate, and 2 in Regent Road District.

EPIDEMIC INFLUENZA MORTALITY, 1906.

DISTRICT.	Total Deaths	0-5 years.	5-15 years.	15-25 years.	25-65 years.	65 years and upwards
Regent Road.....	2	...	...	...	1	1
Greengate	13	1	...	1	10	1
Pendleton	7	...	...	...	4	3
Broughton.....	11	1	...	1	6	3
Borough	33	2	...	2	21	8

MEASURES TAKEN TO PREVENT THE SPREAD OF
INFECTIOUS DISEASE.

Isolation.—Out of the total, 1,725 cases of infectious disease notified during the year, 1,218, or 71 per cent. were removed to the Ladywell Sanatorium, and there isolated.

Disinfection.—All infected bedding has been stoved in the steam disinfectors.

During the year four schools were disinfected, in consequence of the prevalence of measles and diphtheria.

Bacteriology.—379 specimens in suspected cases of enteric fever, diphtheria, and phthisis have been sent to Professor Delepine, of the Owens College, for examination, and the following is the result of the work done during the year 1906 :—

Enteric Fever.—140 examinations made, positive reactions obtained 56, or 40·0 per cent.

Diphtheria.—155 examinations made, and the specific baccilli were found in 60 cases, or 38·7 per cent.

Phthisis.—84 tests were made, and tubercle bacilli were found in 34 cases, or 40·5 per cent.

PART III.

WORK OF THE HEALTH DEPARTMENT.

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WORK OF THE HEALTH DEPARTMENT.

The staff of the Department consists of an Assistant Medical Officer, a Veterinary Surgeon, and 16 Inspectors, including two Female Inspectors. There are also nine Female Visitors working jointly with this Department and the Ladies' Health Society.

Systematic Inspection and Abatement of Nuisances.—

The systematic inspection of the Borough was conducted during the year 1906, on the same lines as in previous years, and with satisfactory results. The result of the inspections may be gathered from a perusal of the "Register of Work Done," which is to be found at the end of this section of the report. It shows that the number of complaints received at the office of the Department was 2,677, as compared with 2,909 received in 1905; also that 8,814 dwelling-houses were inspected during the year, and that 44 cases of overcrowding were abated. 947 house-drains were repaired, 3,486 were reconstructed, 429 properly trapped, 9 waste pipes disconnected from drains, also 53 rain-water pipes. In respect to water-closets, 2,391 new ones were provided, and two were properly ventilated, 7 soil pipes were also ventilated. 88 houses were closed as unfit for human habitation, 288 seizures were made of meat unfit for food, which

included animals that had died in transit to the market, and 894 samples of food were purchased for the purpose of analysis.

Springfield Lane.—The scheme for 76 tenements referred to in my last report has been abandoned, as it was found when tenders were obtained that it would cost £296 per tenement to carry out, and this was considered much too expensive.

A scheme was then prepared for the erection of cottages, which was approved by the Local Government Board. The contract has been let, and it is hoped the cottages will be completed by the end of 1907.

HOUSING OF THE WORKING CLASSES.

Springfield Lane.

RECEIPTS.	1906-7.	EXPENDITURE.	1906-7.
	£ s. d.		£ s. d.
Rents	155 8 0	General	187 4 5
Balance	161 5 2	Interest and Sinking	
		Fund	129 8 9
	<u>£316 13 2</u>		<u>£316 13 2</u>

Barracks Site.

RECEIPTS.	1906-7.	EXPENDITURE.	1906-7.
	£ s. d.		£ s. d.
Rents	7184 13 11	General Expenditure..	2907 3 10
Balance.....	1415 10 1	Interest and Sinking	
		Fund.....	5693 0 2
	<u>£8600 4 0</u>		<u>£8600 4 0</u>

Seaford Road.

RECEIPTS.	1906-7.
	£ s. d.
Rents	3646 6 0
Balance	111 4 2
	<u>£3757 10 2</u>

EXPENDITURE.	1906-7.
	£ s. d.
General Expenditure .	1117 8 2
Interest and Sinking Fund	2640 2 0
	<u>£3757 10 2</u>

Artizans' Dwellings.

RECEIPTS.	1906-7.
	£ s. d.
Weekly Rents	752 18 3
	<u>£752 18 3</u>

EXPENDITURE.	1906-7.
	£ s. d.
General Expenditure. .	359 13 6
Interest & Sinking Fund on Buildings only.	390 11 11
Balance.....	2 12 10
	<u>£752 18 3</u>

Artizans' Cottages.

RECEIPTS.	1906-7.
	£ s. d.
Weekly Rents	573 15 6
	<u>£573 15 6</u>

EXPENDITURE.	1906-7.
	£ s. d.
General Expenditure. .	235 4 9
Interest & Sinking Fund on Buildings only.	338 0 10
Balance.....	0 9 11
	<u>£573 15 6</u>

Model Lodging House, Bloom Street, Salford.—The Model Lodging House has been conducted during the past year by the Manager (Mr. A. W. Bell) in a satisfactory manner.

There has been a falling off of the receipts from lodgers during the year.

RECEIPTS. 1906-7.			EXPENDITURE. 1906-7.		
	£	s. d.		£	s. d.
Rents of Cubicles ...	1898	14 0	General Expenditure...	1998	12 10
Sundry Receipts	112	7 11	Sinking Fund and In-		
Balance.....	562	7 2	terest.....	574	16 3
	<u>£2573</u>	<u>9 1</u>		<u>£2573</u>	<u>9 1</u>

Common Lodging Houses.—There were 70 Common Lodging Houses on the register at the end of the year, including the Model Lodging House in Bloom Street, 3 were in Regent Road District, 22 in Greengate, and 10 in the Broughton District.

These houses contain 214 rooms, and accommodate 1,504 lodgers.

1,984 inspections were made during the day-time, and 37 in the night-time.

COMMON LODGING HOUSES IN THE BOROUGH.

	No. of Lodging Houses.	No. of Beds.	Nightly Average No. of Occupiers.	No. of Deaths.
Regent Road	3	86	42	1
Greengate	22	907	783	40
Broughton	10	511	176	21
Borough	35	1504	1001	62

There were 3 prosecutions for keeping houses as Common Lodging Houses without being registered, and fines amounting to £2 were imposed.

There were 16 cases for permitting Common Lodging Houses to be overcrowded, 8 were fined in the aggregate £1 16s. and costs, and 8 were withdrawn. There were 3 other cases for contravening the Bye-laws, one for having the floors in a dirty condition, one for having beds in a verminous condition, and one for using the day room for sleeping purposes, and fines imposed amounting to £1 7s. 6d. and costs.

SEAMEN'S LODGING HOUSES.

19 in Regent Road, 1 in Greengate.

No. of Houses.	No. of Rooms.	No. of Beds.	No. of Seamen Lodged during 1906.	Deaths.
20	93	219	2218	1

There has been an increase of 2 in the number of Seamen's Lodging Houses as compared with the previous year.

The Bye-laws in force regulating these houses have been carried out.

1,078 visits have been made during the day-time, and 64 visits during the night-time.

Four cases were heard before the Magistrates for keeping unlicensed Seamen's Lodging Houses, and fines

amounting to £5 15s. were inflicted. Four Summonses were issued for not complying with the Byelaws—three for not keeping register of seamen, and one for using day-room for sleeping purposes, three were fined in all 6s. and costs, and one case was withdrawn.

Factories, Workshops, Laundries, Workplaces, and Homework.

1.—Inspection.

INCLUDING INSPECTIONS MADE BY SANITARY INSPECTORS OR INSPECTORS OF NUISANCES DURING THE YEAR 1906.

Premises. (1)	Number of		
	Inspections. (2)	Written Notices. (3)	Prosecu- tions. (4)
Factories (Including Factory Laundries).	16	20	...
Workshops (Including Workshop Laundries).	2997	65	...
Workplaces (Other than Outworkers' premises in- cluded in Part 3 of this Report).	3	1	...
Total.....	3016	86	...

2.—Defects Found.

Premises. (1)	Number of Defects.			Number of Prosecutions. (5)
	Found. (2)	Remedied. (3)	Referred to H.M. Inspector. (4)	
<i>Nuisances under the Public Health Acts—*</i>				
Want of cleanliness	6	6	...	...
Want of ventilation	3	3	...	...
Overcrowding.....	5	5	...	...
Want of drainage of floors.....	3	3	...	...
Other nuisances .....	...	...	...	...
(Section 22 of the Public Health Acts Amendment Acts adopted—Sanitary conveniences to be water-closets).				
†Sanitary accommo- dation	insufficient	3	3	...
	unsuitable or defective.....	12	12	...
	not separate for sexes	1	1	...
<i>Offences under the Factory and Workshop Act—</i>				
Illegal occupation of underground bakehouse (s. 101) .....	...	...	...	...
Breach of special sanitary requirements for bakehouses (ss. 97 to 100)	3	3	...	...
Other offences (excluding offences relating to outwork which are included in Part 3 of this Report)	49	49	...	...
Total.....	85	85	...	...

*Including those specified in sections 2, 3, 7, and 8. of the Factory and Workshop Act as remediable under the Public Health Acts.

†For districts not in London state whether section 22 of the Public Health Acts Amendment Act, 1890, has been adopted by the District Council; and if so what standard of sufficiency and suitability of sanitary accommodation for persons employed in factories and workshops has been enforced.

3.—Home Work.

NATURE OF WORK.*	OUTWORKERS' LISTS, SECTION 107.								Number of Inspections of Outworkers' premises.	OUTWORK IN UNWHOLESOME PREMISES, SECTION 108.			OUTWORK IN INFECTED PREMISES, SECTIONS 109, 110.					
	List received from Employers.				Number of Addresses of Outworkers received from other Councils.	Number of Addresses of Outworkers forwarded to other Councils.	Prosecutions.			Instances.	Notices served.	Prosecutions.	Instances.	Orders made (S. 110).	Prosecutions (Sections 109, 110).			
	Twice in the year.		Once in the year.				Failing to keep or permit inspection of lists.	Failing to send lists.										
	† Lists.	† Out- workers.	Lists.	Out- workers.														
																(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
(1)	1 2	1 2 3	3	9	598	29	...	...	559	4	2	...	5	...	...	...	...	...
Wearing Apparel— (1) making, &c. (2) cleaning & washing
Lace, lace curtains and nets
Furniture & Upholstery..	1	...	...	...	2	...	...	...	...	...	...	...	...	...
Fur pulling
Umbrellas	1	...	...	...	2	...	...	...	...	...	...	...	...	...
Paper Bags and Boxes...
Brush making
Stuffed Toys
File making
Electro Plate
Cables and Chains
Anchors and Grapnels...
Cart Gear
Locks, Latches and Keys
Total.....	1 2	1 2 3	3	9	600	29	...	...	563	4	2	...	5	...	...	...	...	...

*If an occupier gives out work of more than one of the classes specified in column 1, and subdivides his list in such a way as to show the number of workers in each class of work, the list should be included among those in column 2 (or 4 as the case may be) against the principal class *only*, but the outworkers should be assigned in column 3 (or 5) into their respective classes. A footnote should be added to show that this has been done.

†The figures required in columns 2 and 3 are the *total* number of lists received from employers who sent them both in February and August as required by the Act and of the entries of names of outworkers in those lists. They will, therefore, usually be double of the number of such employers and (approximately) double of the number of individual outworkers whose names are given, since in the February and August lists of the same employer the same outworker's name will often be repeated.

4.—Registered Workshops.

Workshops on the Register (s. 131) at the end of the year. (1)	Number. (2)
Tenement Workshops	19
Domestic	197
Retail Bakehouses.....	334
Laundries	33
Other Workshops	624
Total number of Workshops on Register.....	1207

5.—Other Matters.

Class. (1)	Number. (2)
Matters notified to H.M. Inspector of Factories—	
Failure to affix abstract of the Factory and Workshop Act (s. 133)	41
Action taken in matters referred by H.M. Inspector as remediable under the Public Health Acts, but not under the Factory and Workshop Act (s. 5).	Notified by H.M. Inspector... 21
	Reports (of action taken) sent to H.M. Inspector 21
Other	1
Underground Bakehouses (s. 101)—	
Certificates granted during the year.....	2
In use at the end of the year	13

Tuberculosis in Milk.—Twenty-four samples of milk were tested bacteriologically at the Public Health Laboratory. Twenty-two were found “not to cause tuberculosis” and two were found “to cause tuberculosis.” These two cases were followed up by Mr. Mitchell the Veterinary Inspector. The two cows on two respective farms were immediately removed from the milking stock.

Sale of Food and Drugs.—894 samples have been purchased for analysis during the year, and 1·7 per cent. of these proved to be adulterated. 474 of these samples were obtained in an unofficial manner in order to find out fraudulent dealers, especially in the sale of butter and margarine.

One case of fraudulent abstraction of milk from a milk can and substitution of water at the railway station occurred. The milk was abstracted by another milk dealer who on prosecution was fined £20 and costs.

Tinned Goods.—Sixteen samples of tinned goods have been procured, namely :—2 of salmon, 1 of rabbit, 1 of lobster, 2 of tongue, 1 of veal, ham and tongue, 1 of roast (paste) beef, 1 of roast mutton, 1 of sardines, 1 of pineapple, 1 of tomatoes, and 1 of apricots.

These were submitted to the Analyst, who reported as follows :—

“All the tinned goods have been of first-class quality. I could not find anything objectionable in any of them.

“Some of the fruits contained traces of tin. This is to be expected, from the acid liquors acting upon the

tin plate. It was not, however, there in dangerous quantities.

“Some of the meats contained Boric Acid from 20 to 22 grains to the one pound. In all cases artificial colouring matter was absent.”

Shop Hours Acts.—The number of shops on the register was 505, a decrease of 18.

There were 775 young persons under 18 years of age on the register.

In November 1905 an Order was made under the Shop Hours Act, 1904, respecting boot retailers. 1,677 visits were made under this Order, and several persons were found to have offended against the provisions of the Order. Seven were prosecuted and fines amounting to £4 2s. 6d. imposed.

The trade found the restrictions imposed by the Order, which in the first instance they had themselves suggested, so seriously hamper their business that they petitioned the Council for its revocation, and it was revoked on December 22nd.

MIDWIVES ACT.

250 notifications of calling in medical practitioners have been received, the causes being as follows :—

Post-partum Hæmorrhage	13
Abnormal Presentations	31
Inertia of Uterus	8
Deformed Pelvis	7
Ruptured Perineum	19
Rise of Temperature.....	22
Accidental Hæmorrhage	10

Placenta Preavia	4
Retained Placenta.....	19
Eclampsia	3
Tedious Labour	16
Premature Birth.....	31
Miscarriage and Abortion.....	6
Other Causes.....	61
	<hr/>
	<u>250</u>

146 notifications of stillbirths were also received during the year.

There are 62 midwives on the register practising in Salford. These are regularly visited, and their books, instruments, &c., inspected by the Lady Inspector under supervision of the Medical Officer of Health, and midwives are encouraged to consult with the Medical Officer of Health when cases of difficulty arise.

SMOKE NUISANCE.

Particulars as to smoke nuisances caused by firms during the year 1906, and dealt with by the Health Committee—

37 notices were issued.

25 firms were summoned by the Health Committee for smoke nuisance during the year 1906, and fined in the aggregate £44.

5 summonses were issued and withdrawn by order of the Town Clerk.

Complaints have been numerous as to the nuisance arising from smoke from locomotive engines on the Lancashire and Yorkshire Railway.

Considerable difficulty has been found in taking observations from particular engines, but in three cases

the Company were prosecuted and fined 40s., 40s., and £5 respectively.

Locomotive engines on the road have also been the cause of nuisance, and one person was fined 40s. and costs for permitting dense smoke therefrom.

During the year 1906, 3,662 smoke observations have been made, as against 3,342 in the year 1905, and 2,230 in the year 1904.

527 stokers and others were cautioned by the Inspector for negligence in firing the furnaces under their charge ; at the same time 80 firms were reported to and dealt with by the Health Committee ; also 527 cautionary notices were issued to firms with a table of smoke observations taken from their chimneys.

TABLE SHOWING THE NUMBER OF HALF-HOURLY OBSERVATIONS
TAKEN DURING THE YEAR 1906.

Minutes of Black Smoke emitted in half-an-hour.	No. of Observations taken.	Percentage to Total.
No Black Smoke	1416	38·7
One Minute	1581	43·2
Two Minutes	258	7·0
Three Minutes	327	8·9
Over Three Minutes	80	2·2
Total Observations taken	3662	100·0

Several chimneys have been raised during the year, particularly in connection with small workshops, wash-houses and greenhouses.

Diseases of Animals.—No case of Foot and Mouth Disease, Pleuro-Pneumonia, Anthrax, Glanders or Rabies occurred in the Borough during the year 1906.

Swine Fever.—There was one outbreak of Swine Fever during the year on the premises of Mr. Barrett, Ford Lane, Pendleton. Three pigs died, and 22 were slaughtered by the Board of Agriculture. The carcasses were all destroyed in the destructor.

Parasitic Mange.—There were two outbreaks of this disease, two horses being affected.

Slaughter Houses.—There were 20 slaughter houses in use during 1906, being the same number as in the previous year. These have been regularly inspected by the Veterinary Inspector and the District Inspectors.

Shippons.—There were 12 shippons—accommodating 252 cows—in use in the year 1906, which is the same number as in 1905. These have been kept under observation.

Pig Keeping.—As usual in large towns pig keeping proved a nuisance, particularly in two cases. The Department applied for orders for the removal of the pigs, but the Council deferred granting them as a great improvement had taken place. If this improvement is not maintained no doubt the orders will be issued, and the pig keepers compelled to discontinue.

Table showing the kind of food seized, and its weight :—

	No. of Seizures.	Weight.			
		Tons.	Cwts.	Qrs.	Lbs.
Mutton	204	7	16	1	17
Beef	32	13	14	2	13
Veal	34	0	8	2	13
Goat	2	0	0	2	9
Fish	2	0	1	0	0
Oxtails	1	0	0	2	24
Cucumbers	1	0	0	1	0
Offal	1	0	2	0	0
Sheeps Feet	4	1	11	3	0
Hams	2	0	2	3	20
Kidneys	2	0	0	1	0
Yeast	1	0	1	0	0
Sausages.....	1	0	0	2	24
Mussels	1	1	7	0	0
TOTALS	288	25	7	3	8

MONTHLY SEIZURES OF UNWHOLESOME MEAT.

Month.	No. of Seizures.	Weight.			
		Tons.	Cwts.	Qrs.	Lbs.
1906.					
January	23	...	15	...	19
February	29	1	7	2	...
March	35	2	19	1	...
April	29	1	2	1	24
May	15	1	7	...	...
June	25	1	13	3	...
July	24	3	8	...	...
August	22	...	14	...	14
September	22	1	16	...	15
October	25	2	7	1	16
November	19	2	11	...	4
December	20	5	6	...	...
Totals.....	288	25	7	3	8

	Tons.	Cwts.	Qrs.	Lbs.			
Carcases of animals killed in transit	7	...	8	...	1	...	17
,, given up by dealers and butchers...	14	...	11	...	2	...	19
Seized in shop (beef and mutton)	0	...	1	...	0	...	20
,, street (do.)	0	...	0	...	0	...	0
Surrendered oxtails, cucumbers, offal, sheep's feet, hams, kidneys, yeast, sausages, and mussels	3	...	6	...	2	...	8
	—		—		—		—
	25		7		3		8

Offensive Trades.—The following is a list of the offensive trades in the Borough.

Nature of Trades.	No. of Trades in the Districts and Borough.					Discon- tinued.	Newly Regis- tered.
	Regent Road.	Green- gate.	Pendle- ton.	Brough- ton.	Borough.		
Tripe Dressing ..	2	2	3	...	7	...	...
Soap Works ...	2	1	1	...	4	...	...
Oil and Tallow...	...	1	1	1	3	...	...
Tanneries .....	...	1	...	...	1	...	...
Varnish and Tar	2	...	...	...	2	3	...
Skin Mat Makers	...	...	1	...	1	...	...
Rubber Works. .	1	2	2	...	5	...	...
Gut Scrapers ..	2	1	...	...	3	...	...
Candle Makers..	...	...	1	...	1	...	...
Totals	9	8	9	1	27	3	...

There were no complaints during the year respecting any of these premises, but instance occurred of the commencement of fat boiling without the consent of the Corporation and this was suppressed.

DRAINAGE WORK.

Number of tests made.....	975
„ applications	69
„ houses affected by the tests.....	1986
„ notices and reports issued	601
„ notices and reports complied with	599
„ drain inlets opened and cleared	956

INSANITARY CONDITIONS FOUND.

Defects.	No. of Cases.
Drains wholly or partly choked	431
Drains defectively constructed	649
Gully traps badly laid	147
Drains defectively trapped	121
Waste pipes defectively trapped or connected to drains ...	68
Downspouts connected to drains	146
Soil pipes with leaking joints or improperly ventilated ...	74
Defective water-closets.....	82

RE-CONSTRUCTION OF DRAINS AND THE CONSTRUCTION
OF NEW DRAINS.

Number of tests applied	5899
„ houses affected	6196
„ passage drains	204

CANAL BOATS ACTS.

REPORT FOR THE YEAR, 1906.

Number of canal boats inspected	1093
Number of canal boats conforming to Acts	1017
Number of canal boats with one or more infringements	76
Total number of infringements	100
Registration.....	—
Notification of change of master	—
Absence of certificates	6
Marking	17
Overcrowding	2
Separation of sexes	11
Cleanliness	10
Ventilation	10
Painting	17
Provision of water vessel.....	4
Removal of bilge water	2

Boats defective and leaking	9
Admittance of Inspector.....	3
Notification of infectious disease	—
Dilapidation.....	6
Certificates not identifying owners	—
Loading manure without tight bulkheads	2
Number of notices served	76
Legal Proceedings taken.....	16

It was found necessary to take legal proceedings in 16 instances as follows :—

- For non-separation of sexes, master fined 1s. and costs (3s. 6d.)
- For non-separation of sexes, master fined 10s. and costs (17s. 6d.)
- For carrying offensive cargo without double bulkheads, owner fined 20s. and costs (£1 5s. 6d.) in one case and 2s. 6d. and costs (8s. 6d.) in the second case.
- For carrying offensive cargo without double bulkheads, two summonses against the master were withdrawn.
- For refusing to show certificates, master fined 10s. and costs (15s. 6d.) in one case and the other summons was withdrawn on payment of cost (5s. 6d.)
- For dirty cabins, two summonses against the master were dismissed for the want of corroborative evidence.
- For dirty cabin, master fined 5s. and costs (8s.)
- For dirty cabin, master fined 5s. and costs (8s.)
- For non-separation of sexes, overcrowding and dirty cabin, master fined 5s. and costs in each of the three cases (£1 5s. 6d.)
- For using threats the Town Clerk wrote the master who made both a written and personal apology.
- For not painting canal boat after receiving Notice, owner fined 20s. and costs (30s.)

Other steps taken to secure compliance ; 32 letters were written to the owners.

Cases of infectious disease dealt with ; one case of enteric fever was notified during the year, and the patient

was removed to hospital and the canal boat thoroughly disinfected.

Detention of boats for cleansing and disinfection—I

Number of boats on register. Not a Registration Authority.

Cabin boats registered to carry	4444
Men found on the boats	1681
Women found on the boats	439
Children under 12 years found on the boats..	349

Surprise visits were made at 6 a.m. to 33 canal boats for the detection of non-separation of sexes and overcrowding.

Sanitary Conveniences.—There are 17 conveniences in the Borough, under the control of the Health Committee situated :—

Trinity Market, Salford.
 Liverpool Street, Salford.
 Broughton Lane, Broughton.
 Trafford Road, Salford.
 Pack Horse, Bolton Road, Pendleton.
 Whit Lane, Pendleton.
 Windsor Bridge, Salford.
 Blucher Street, Salford.
 Crescent, Salford.
 Stevenson Street, Salford.
 The Cliff, Broughton.
 Park Lane, Broughton.
 Broad Street, Pendleton.
 Greengate Arch, Salford.
 Everard Street, Salford.
 Eccles New Road, Weaste.
 Broughton Bridge.

Frederick Road Urinal has been removed and a new one is being erected, and the Windsor Bridge Urinal has been refitted.

WORK OF HEALTH VISITORS FOR YEAR 1906.

Districts.	No. of Cottages in District.	Total No. of Visits.	Houses Dirty.	Houses Dilapidated.	Houses Overcrowded.	Houses Linewashed since last Visit.	Defective Drainage.	Other Nuisances.	No. of Complaints forwarded to Health Department.
St. Simon's	1389	4442	230	7	...	189	45	17	34
Silk Street.....	1390	4818	688	309	7	148	83	392	128
Greengate	1449	4244	200	10	7	135	8	...	30
Adelphi	1065	4308	261	34	5	13	94	314	93
Ellor Street	3188	2901	77	26	23	155	14	42	113
Ordsall	2396	3752	289	116	3	186	14	55	140
Cross Lane	2183	4940	59	5	18	105	34	46	102
Docks	1473	3638	857	153	20	672	77	817	136
Totals.....	14533	33043	2661	660	83	1603	369	1683	776

PART IV.

MEDICAL INSPECTION OF SCHOOLS.

J. J. BUTTERWORTH, M.D.,

DEPUTY MEDICAL OFFICER OF HEALTH AND ASSISTANT MEDICAL OFFICER
TO THE EDUCATION COMMITTEE.

PART IV.

MEDICAL INSPECTION OF SCHOOLS.

Schools are visited regularly and children rapidly inspected. Children suffering from physical or mental defects are noted. The attention of the Medical Inspector is also drawn to these cases by the teachers.

If a more detailed medical examination is required parents are invited to bring the child to the Education Offices.

If as a result of this further examination it is decided that medical treatment is required as apart from some modification of school attendance, the parents are advised to see medical men, either private or hospital. There is no difficulty in the majority of cases in obtaining the co-operation of the parents, lack of knowledge or means being the most common obstacle in the way of obtaining medical treatment rather than mere inertia.

The School Attendance Officers also refer children for medical examination.

The following Infectious Diseases—Small Pox, Typhus Fever, Enteric Fever, Scarlet Fever, Diphtheria,

Measles, German Measles, Whooping Cough, Chicken Pox, Mumps, Ringworm and Ophthalmia are notified by the Head Teachers to the Medical Officer of Health.

If the information obtained in this way suggests the possibility of School infection the School is visited and each scholar examined. The children having symptoms of any of these diseases are excluded.

Children with Measles or Whooping Cough are excluded from School for a minimum period of three weeks or until they are convalescent. Other children in the same house who have not had Measles or Whooping Cough are excluded.

Children from houses where there are cases of Small Pox, Typhus Fever, Enteric Fever, Scarlet Fever and Diphtheria are excluded for a fortnight after disinfection of the house. The actual time of exclusion varies, and depends whether the patient is nursed at home or sent to the Fever Hospital. If the former the house is disinfected when the patient is convalescent. If the latter immediately after the removal of the patient.

TABLE I.

Medical Officer's Visits to Schools	392
Visits to Defective School	44
Teachers Examined	34
Children Specially Examined	982
Bursars Examined	98
Pupil Teachers Examined	91
Spectacles Provided	224
Sanitary Inspectors' Visits to Schools	1062

A number of children are referred by teachers and school attendance officers for special examination. In

Table No. II. these are tabulated for the years 1904, 1905, and 1906. Notes are taken of all these cases and teachers and parents are informed if any special educational or other treatment is required.

TABLE II.

	1904	1905	1906
Fit for School	28	29	24
Defective, Imbecile, Idiot	45	39	41
Epilepsy	11	19	25
Eye Diseases	40	109	130
Lung Diseases	16	51	75
Heart Disease	9	19	31
Deaf and Dumb	6	5	3
Ear Disease	2	11	21
Chorea	4	11	21
Rickets	3	8	18
Tubercular Bone Disease	5	11	18
Tubercular Glands	4	8	11
Paralysis	4	5	14
Anæmia	3	9	10
Tonsils and Adenoids	4	14	17
	<u>184</u>	<u>348</u>	<u>459</u>

Anthropometric Measurements.—In 1904 the Physical Instruction Sub-Committee decided to have the measurements of boys taken in six Elementary Schools, A, B, C, D, E, F. The Schools A, D, E, are situated in better districts than Schools B, C, F.

The boys were measured at the following age periods—

Between 7 years 9 months and 8 years 3 months.

Between 9 years 9 months and 10 years 3 months.

Between 12 years 9 months and 13 years 3 months.

This method gives three age periods the average of which is in each School, approximately, 8, 10, and 13 years. The measurements are therefore almost strictly comparable.

Each teacher was asked to make lists of the boys of these ages in his own class. These lists were checked by the head teacher and by myself at the time of examination. The possibility of boys of other ages being included was thus reduced to a minimum.

The measurements were taken as follows—

Height, without boots, standing erect, knees braced, hands by side, heels together, feet forming an angle of 60°.

Weight, all clothes removed except trousers and stockings.

Chest, standing erect, arms stretched out level with the shoulders, with palms upwards, the lower edge of the tape being placed level with the nipples. Several deep inspirations and expirations were taken and the maximum and minimum girth recorded.

A preliminary examination of the weights of various articles of clothing worn by boys was made, and the average results were as follows—

Increase in height due to boots	1 inch.
Increase in height due to stockings	$\frac{1}{16}$ inch
Total weight of clothes	7 lbs.
Weight of boots	2 lbs.
Weight of trousers and socks	2 lbs.

As the boys were measured without boots and weighed with trousers and stockings, it will be necessary in the following tables to allow $\frac{1}{16}$ -inch from the height and 2 lbs. from the weight in order to obtain the actual measurements of Salford boys.

The total number of boys measured is 1,329.

TABLE III.
Showing Greatest and Least in Average of Height and Weight.

AGE 8 YEARS.

School.	Height.	School.	Weight.
E	46·9 inches	E	48·7 lbs.
D	46·8 „	D	47·0 „
A	46·5 „	A	46·8 „
General Average ..	46·1 „	General Average ..	46·6 „
C	45·8 „	C	46·6 „
B	45·3 „	B	46·2 „
F	44·9 „	F	46·1 „

AGE 10 YEARS.

D	50·5 inches	D	56·7 lbs.
E	50·4 „	E	56·6 „
A	50·3 „	A	55·2 „
General Average ..	49·9 „	General Average ..	55·3 „
C	49·7 „	C	55·0 „
F	49·1 „	F	54·2 „
B	48·4 „	B	53·4 „

AGE 13 YEARS.

E	56 ·2 inches	E	75 ·1 lbs.
A	55 ·7 „	A	69 ·8 „
D	54 ·4 „	D	69 ·1 „
General Average ..	54 ·4 „	General Average ..	68 ·6 „
C	54 ·0 „	C	67 ·4 „
B	53 ·4 „	B	67 ·1 „
F	52 ·6 „	F	64 ·8 „

It will be seen from Table III. that at eight years of age the measurements at all the Schools are nearly equal, but that at 13 years there are marked differences, the boys from Schools A, D, E, being taller and heavier than those from Schools B, C, F.

TABLE IV.

Showing Average Weight in Ounces for each Inch of Height.

Aver- age Age.	A.	B.	C.	D.	E.	F.	General Aver- age.
8	16 ·0	16 ·2	16 ·1	16 ·0	16 ·6	16 ·6	16 ·1
10	17 ·5	17 ·6	17 ·7	17 ·9	18 ·0	17 ·6	17 ·7
13	20 ·0	20 ·1	19 ·8	20 ·3	21 ·3	19 ·7	20 ·1

TABLE V.

Summary of Gains between each Age Period at each School,
for the Three Years 1904-5-6.

BETWEEN 8 AND 10 YEARS.

School.	Height (Inches).	Weight (Pounds).
A	3·8	8·6
B	3·1	7·3
C	3·9	8·8
D	3·7	9·6
E	3·5	8·0
F	4·2	7·4
General Average	3·8	8·7

BETWEEN 10 AND 13 YEARS.

A	5·4	14·6
B	5·0	14·0
C	4·3	12·1
D	3·9	12·5
E	5·8	18·4
F	3·5	10·6
General Average	4·5	13·3

BETWEEN 8 AND 13 YEARS.

A	9·2	23·2
B	8·1	21·3
C	8·2	20·9
D	7·6	22·1
E	9·3	26·4
F	7·7	18·0
General Average	8·3	22·0

TABLE VI.

Average Chest Measurements at each School.

Age.	School.	Maximum.	Minimum.	Difference.
8 yrs...	A	23·3 inches	21·3 inches	2·0 inches
„ ..	B	23·3 „	21·5 „	1·8 „
„ ..	C	23·3 „	21·4 „	1·9 „
„ ..	D	23·2 „	21·4 „	1·8 „
„ ..	E	23·9 „	21·9 „	2·0 „
„ ..	F	23·3 „	21·6 „	1·7 „
	General Average.	23·3 inches	21·5 inches	1·8 inches

TABLE VI.—*Continued.*

Average Chest Measurements at each School.

10 yrs...	A	24·6 inches	22·4 inches	2·2 inches
„ ..	B	24·5 „	22·4 „	2·1 „
„ ..	C	24·6 „	22·6 „	2·0 „
„ ..	D	24·8 „	22·7 „	2·1 „
„ ..	E	24·9 „	22·7 „	2·2 „
„ ..	F	24·9 „	22·7 „	2·2 „
	General Average.	24·6 inches	22·6 inches	2·0 inches

13 yrs...	A	26·6 inches	24·5 inches	2·1 inches
„ ..	B	26·3 „	24·1 „	2·2 „
„ ..	C	26·6 „	24·1 „	2·5 „
„ ..	D	26·4 „	24·1 „	2·3 „
„ ..	E	27·0 „	24·6 „	2·4 „
„ ..	F	26·3 „	24·3 „	2·0 „
	General Average.	26·5 inches	24·2 inches	2·3 inches

In Table VII. the measurements of Salford boys are compared with the measurements of school boys in Edinburgh and Glasgow, with boys in the English Artizan Class, Public Schoolboys and the Anthropometric Committee's Standard Average.

TABLE VII.

Height.

Ages.	*Salford.	Edinburgh	Glasgow.	English Artisan. (Roberts.)	Public School Boys.	Anthropometric Committee Standard Average.
No. of Observations.	1,329	300	300	1,000	2,000	30,000
Years.	Ft. Ins.	Ft. Ins.	Ft. Ins.	Ft. Ins.	Ft. Ins.	Ft. Ins.
8.....	3 10·1	3 9·8	3 10·6	3 11	..	3 11
10.....	4 1·9	4 2·7	4 3·7	4 2·5	4 5	4 3·8
13.....	4 6·4	4 7·8	4 7·6	4 7·5	4 10·5	4 8·9

Weight.

Years.	Lbs.	Lbs.	Lbs.	Lbs.	Lbs.	Lbs.
8.....	44·6	45·3	44·0	52·0	..	49·9
10.....	53·3	55·6	52·4	59·0	58·0	62·5
13.....	66·6	70·6	70·0	71·0	79·0	77·6

* Two pounds should be deducted from weights of Salford boys.

Eye Testing.—Each School is supplied with a card of distance Test Types. The letters are of such a size as to be read at 20, 30, 40, 60, and 80 feet respectively. The child to be tested is placed at a distance of 20 feet from the Test Types. If at this distance he can read the letters which ought to be read at 20 feet the vision is expressed as a fraction $\frac{20}{20}$, but if only those letters intended to be read at 30 or 40 or 60 or 80 can be seen then the vision is expressed by the fractions $\frac{20}{30}$, $\frac{20}{40}$, $\frac{20}{60}$, $\frac{20}{80}$, respec-

tively. If none of the letters on the Test Types can be seen the vision is expressed as $\frac{0}{0}$.

In Table VIII. the results of the scholars examined have been analysed and the results stated in percentages.

All those scholars whose vision is below $\frac{20}{30}$ may be regarded as having defects which interfere with their school efficiency.

Since the inauguration two years ago of the scheme for supplying spectacles at a low and uniform price, 327 children have been specially examined and supplied with spectacles. They suffered from the following errors of refraction.

Hypermetropia	174
Hypermetropic Astigmatism	55
Myopia	44
Myopic Astigmatism	17
Mixed Astigmatism	18
Unclassified	19

327

TABLE VIII.

[illegible]

Boys.

[illegible]

TABLES.

PART I.

MORTALITY STATISTICS.

STATISTICAL SUMMARY, 1906.

Population.—Estimated to the middle of the year		<div> <div> Males 113,136 Females ... 120,941 </div> </div>	Total 234,077
Marriages			2104
Annual Rate of Persons Married per 1,000 of the Population.			18.0
Births		<div> <div> Males 3,645 Females ... 3,414 </div> </div>	Total 7,059
Annual Rate of Births per 1,000 of the Population.....			30.2
Deaths under One Year of Age per 1,000 Births.....			162
Deaths		<div> <div> Males 2,233 Females ... 2,089 </div> </div>	Total 4,322
Annual Rate of Mortality per 1,000		<div> <div> Males 19.7 Females ... 17.3 </div> </div>	Total 18.5
Annual Rate of Mortality per 1,000 from the seven principal Zymotic Diseases			3.2
Excess of Registered Births over Deaths			2,737
Estimated Annual Increase of Population			2,563
Density. —The mean density of the Borough is equal to 45.0 persons per acre:—in Regent Road, 61.1; Greengate, 73.5; Pendleton, 27.0; Broughton, 40.3.			
Area. —The Municipal Borough of Salford comprises the Townships of Salford (divided for statistical purposes into the Regent Road and Greengate Districts), Pendleton, and Broughton, and has a total area of 5,202 acres:—in Salford, 1,914 acres (Regent Road, 1,217; Greengate, 697); Pendleton, 1,813; Broughton, 1,475.			
Elevation. —The mean elevation of the Borough is 140 feet above sea-level, and varies between 85 feet and 250 feet.			

TABLE 1.

FOR WHOLE DISTRICT.

YEAR	Population estimated to Middle of each Year.	BIRTHS.		DEATHS UNDER ONE YEAR OF AGE.		DEATHS AT ALL AGES. TOTAL.		Deaths in Public Institu- tions.	Deaths of Non- Residents registered in District.	Deaths of Residents registered beyond District.	DEATHS AT ALL AGES. NETT.	
		Number.	*Rate.	Number.	Rate per 1,000 Births registered.	Number.	*Rate.				Number.	*Rate.
1896	209,703	7470	35.6	1496	200	4836	23.1	769	49	63	4850	23.1
1897	211,981	7454	35.2	1633	219	5064	23.9	772	55	61	5070	23.9
1898	214,284	7475	34.9	1595	213	4880	22.8	829	76	77	4881	22.8
1899	216,612	7378	34.1	1556	211	5205	24.0	892	90	72	5187	23.9
1900	218,965	7299	33.3	1520	208	5588	25.5	1104	104	58	5542	25.3
1901	221,587	6457	29.1	1324	205	4872	22.0	1022	126	56	4802	21.7
1902	224,007	7699	33.7	1211	157	4449	19.5	935	136	62	4375	19.2
1903	226,480	7284	32.2	1226	168	4329	19.1	861	90	86	4325	19.1
1904	228,983	7261	31.7	1399	193	4843	21.2	1013	86	52	4809	21.0
1905	231,514	7165	30.9	1062	148	3970	17.1	968	84	94	3980	17.2
Averages for Years 1896—1905..... }		7294	33.1	1402	192	4804	21.8	917	90	68	4782	21.7
1906		7059	30.2	1141	162	4294	18.3	966	57	85	4322	18.5

* Rates in Columns 4, 8, and 13 calculated per 1,000 of estimated population.

NOTE.—The deaths to be included in Column 7 of this table are the whole of those registered during the year as having actually occurred within the district or division. The deaths to be included in Column 12 are the number in Column 7, corrected by the subtraction of the number in Column 10 and the addition of the number in Column 11.

By the term “Non-Residents” is meant persons brought into the district on account of sickness or infirmity, and dying in public institutions there; and by the term “Residents” is meant persons who have been taken out of the district on account of sickness or infirmity, and have died in public institutions elsewhere.

Area of district in acres (exclusive of area covered by water) .. . 5,202

Total Population at All Ages	220,957	} At Census of 1901.
Number of Inhabited Houses	..	..	..	..	..	44,001
Average Number of Persons per house	..	..	..	..	..	5.02

TABLE 2.

NAMES OF LOCALITIES.	1.—BOROUGH.				2.—REGENT ROAD.				3.—GREENGATE.				4.—PENDLETON.				5.—BROUGHTON.			
	Popula- tion Esti- mated to middle of each Year. a.	Births Regis- tered. b.	Deaths at All Ages. c.	Deaths under 1 year. d.	Popula- tion Esti- mated to middle of each Year. a.	Births Regis- tered. b.	Deaths at All Ages. c.	Deaths under 1 year. d.	Popula- tion Esti- mated to middle of each Year. a.	Births Regis- tered. b.	Deaths at All Ages. c.	Deaths under 1 year. d.	Popula- tion Esti- mated to middle of each Year. a.	Births Regis- tered. b.	Deaths at All Ages. c.	Deaths under 1 year. d.	Popula- tion Esti- mated to middle of each Year. a.	Births Regis- tered. b.	Deaths at All Ages. c.	Deaths under 1 year. d.
1896.....	209,703	7470	4850	1496	71,879	2710	1793	575	36,055	1454	1119	311	58,394	2078	1151	380	43,375	1228	787	230
1897.....	211,981	7454	5070	1633	71,866	2695	1840	606	35,580	1380	1177	368	60,023	2087	1306	439	44,512	1292	747	220
1898.....	214,284	7475	4881	1595	71,797	2640	1745	606	35,112	1332	1085	300	61,696	2176	1274	450	45,679	1327	777	239
1899.....	216,612	7378	5187	1556	71,669	2552	1904	634	34,650	1270	1062	265	63,417	2235	1357	396	46,876	1321	864	261
1890.....	218,965	7299	5542	1520	71,482	2436	1972	574	34,193	1273	1259	285	65,185	2266	1479	435	48,105	1324	832	226
1901.....	221,587	6457	4802	1324	71,435	2139	1713	510	33,743	981	971	241	67,023	2115	1324	402	49,386	1222	794	171
1902.....	224,007	7699	4375	1211	71,229	2538	1420	436	33,468	1285	966	229	68,935	2473	1254	363	50,375	1403	735	183
1903.....	226,480	7284	4325	1226	72,121	2430	1588	478	33,415	1135	823	228	69,909	2359	1168	338	51,035	1360	746	182
1904.....	228,983	7261	4809	1399	72,436	2497	1716	548	33,235	1106	940	254	71,200	2341	1388	420	52,112	1317	765	177
1905.....	231,514	7165	3980	1062	74,383	2364	1312	371	51,111	1827	1045	314	46,953	1439	865	213	59,067	1535	758	164
Averages of Years 1896-1905.)	220,412	7294	4782	1402	72,030	2500	1700	534	36,056	1304	1045	280	63,274	2157	1257	384	49,052	1333	781	205
1906.....	234,077	7059	4322	1141	74,396	2338	1423	439	51,203	1754	1173	303	49,025	1484	783	199	59,453	1483	943	200

Notes.—(a.) The separate localities adopted for this table should be areas of m...

Notes.—(a.) The separate localities adopted for this table should be areas of which the populations are obtainable from the Census returns, such as wards, parishes, or groups of parishes, or registration sub-districts. Block 1 may, if desired, be used for the whole district; and blocks 2, 3, &c., for the several localities. In small districts without recognised divisions of known population, this table need not be filled up.

(b.) Deaths of residents occurring beyond the district are to be included in sub-columns c of this table, and those of non-residents registered in the district excluded. (See note on Table I. as to meaning of terms “resident” and “non-resident.”)

(c.) Deaths of residents occurring in public institutions are to be allotted to the respective localities, according to addresses of the deceased. Calculations have been made on the Populations in the different districts as revised by the Registrar General in 1896 and again in 1905.

TABLE 3.

CAUSES OF, AND AGES AT, DEATH DURING THE YEAR 1906.

CAUSES OF DEATH.	DEATHS IN WHOLE DISTRICT AT SUBJOINED AGES.							DEATHS IN LOCALITIES (AT ALL AGES).					DEATHS IN PUBLIC INSTITUTIONS.
	All Ages.	Under 1.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and upwards.	Borough.	Regent Road.	Greengate.	Pendleton.	Broughton.	
Small-pox .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Measles	185	40	142	3	...	...	...	185	60	60	36	29	6
Scarlet Fever.....	44	...	29	15	...	...	...	44	16	14	8	6	42
Whooping Cough	52	26	24	2	...	...	...	52	12	15	8	17	...
Diphtheria and Mem- branous Croup.....	90	3	54	31	...	2	...	90	36	23	14	17	72
Croup	4	...	4	...	...	...	...	4	1	...	1	2	...
Fever { Typhus .....	...	...	...	...	...	...	...	...	...	...	...	...	...
{ Enteric	41	...	2	1	12	26	...	41	16	11	10	4	31
{ Other Continued	1	...	...	1	...	...	...	1	...	...	...	1	1
Epidemic Influenza	33	2	...	...	2	21	8	33	2	13	7	11	3
Cholera .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Plague.....	...	...	...	...	...	...	...	...	...	...	...	...	...
Diarrhœa (See notes at foot)	398	317	70	...	1	4	6	398	194	101	48	55	4
Enteritis (See notes at foot)	22	...	10	3	...	6	3	22	8	5	2	7	11
Puerperal Fever	6	...	...	...	3	3	...	6	5	...	...	1	7
Erysipelas	6	1	...	...	...	3	2	6	2	1	...	3	5
Other Septic Diseases ...	11	3	2	1	...	5	...	11	2	2	5	2	...
Phthisis	393	10	19	14	55	290	5	393	120	125	60	88	118
Other Tubercular Diseases.	141	42	50	21	7	21	...	141	41	43	31	26	21
Cancer, Malignant Disease.	177	...	...	1	3	128	45	177	58	35	36	48	53
Bronchitis	458	68	18	...	3	169	200	458	139	136	87	96	110
Pneumonia	413	74	83	20	18	175	43	413	136	119	61	97	78
Pleurisy	9	...	...	...	1	7	1	9	5	2	2	...	2
Other Diseases of Respira- tory Organs	26	2	6	4	...	9	5	26	9	5	4	8	2
Alcoholism	43	...	...	...	...	40	3	43	14	8	11	10	5
Cirrhosis of Liver.....													
Venereal Diseases.....	23	15	3	...	1	4	...	23	12	7	2	2	...
Premature Birth	142	142	...	...	...	...	...	142	53	31	34	24	4
Diseases and Accidents of Parturition	20	10	...	...	2	8	...	20	2	5	7	6	...
Heart Diseases	336	4	2	13	19	189	109	336	91	86	69	90	87
Accidents	117	19	18	13	9	38	20	117	38	35	18	26	44
Suicides	13	...	...	...	1	11	1	13	4	5	1	3	7
All other causes	1118	363	67	33	30	337	288	1118	347	286	221	264	253
All Causes.....	4322	1141	603	176	167	1496	739	4322	1423	1173	783	943	966

NOTES.—(a.) The deaths of residents occurring beyond the limits of the district are to be included in this table, and deaths of non-residents occurring in the district are to be excluded.

(b.) Deaths of residents occurring in public institutions are to be allotted to the respective localities according to the addresses of the deceased as given by the Registrars, and, in addition, to be classified under "Public Institutions."

(c.) Under the heading of "Diarrhœa" are to be included deaths certified as from diarrhœa, alone or in combination with some other cause of ill-defined nature; and also deaths certified as from

Epidemic Enteritis;

Zymotic Enteritis;

Epidemic Diarrhœa. Summer Diarrhœa;

Dysentery and Dysenteric Diarrhœa;

Choleraic Diarrhœa, Cholera, Cholera Nostras (in the absence of Asiatic Cholera).

In addition, and as regards deaths of children *under one year of age*, under the heading "Diarrhœa" in column 3 (Table 3.) are to be included all deaths classified as "Diarrhœal Diseases" in Table 4.

Under the heading of "Enteritis" in Table 3, are to be included only deaths *over one year of age* registered as due to Enteritis, Muco-enteritis, Gastro-enteritis, Gastric Catarrh, Gastritis, and Gastro-intestinal catarrh, unless from information obtained by enquiry from the certifying practitioner or otherwise, the Medical Officer of Health should have reason for including such deaths, under the specific term "Diarrhœa." Deaths from diarrhœa secondary to some other well-defined disease should be included under the latter.

TABLE 4.

INFANTILE MORTALITY DURING THE YEAR 1906.

DEATHS FROM STATED CAUSES IN WEEKS AND MONTHS UNDER ONE YEAR OF AGE.

CAUSE OF DEATH.	Under 1 Week.	1-2 Weeks.	2-3 Weeks.	3-4 Weeks.	Total under 1 Month.	1-2 Months.	2-3 Months.	3-4 Months.	4-5 Months.	5-6 Months.	6-7 Months.	7-8 Months.	8-9 Months.	9-10 Months.	10-11 Months.	11-12 Months.	Total Deaths under One Year.
ALL CAUSES—																	
Certified	136	49	41	36	262	106	94	102	76	72	70	57	66	62	56	42	1065
Uncertified	17	2	3	2	24	16	6	9	6	2	2	1	1	3	3	3	76
Common Infectious Diseases—																	
Small-pox .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Chicken-pox .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Measles .....	...	1	1	...	2	...	...	1	...	2	2	3	10	5	10	5	40
Scarlet Fever .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diphtheria: Croup .....	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
Whooping Cough .....	...	...	1	1	2	2	4	4	2	3	2	1	2	4	...	1	3
Diarrhoeal Diseases—																	
Diarrhoea, all forms ...	...	2	3	3	8	21	26	34	32	29	22	20	18	23	17	10	260
Enteritis (not Tuberculous) ...	...	3	2	1	6	6	6	5	8	6	6	7	2	4	1	...	57
Gastritis, Gastro-intestinal Catarrh...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Wasting Diseases—																	
Premature Birth	85	14	14	10	123	11	4	4	...	...	...	...	...	...	...	...	142
Congenital Defects	5	3	2	1	11	4	4	3	...	...	...	...	...	1	...	...	23
Injury at Birth	9	1	...	...	10	...	...	...	...	...	...	...	...	...	...	...	10
Want of Breast Milk ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Atrophy, Debility, Marasmus	26	9	7	6	48	28	19	10	9	5	5	4	3	..	4	1	136
Tuberculous Diseases—																	
Tuberculous Meningitis.	...	...	...	...	...	...	...	...	...	1	3	2	...	...	2	1	9
Tuberculous Peritonitis:	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tabes Mesenterica...	...	...	...	...	...	...	...	4	3	2	4	1	1	2	2	2	21
Other Tuberculous Diseases .....	...	...	...	1	1	1	2	2	...	1	8	...	3	2	...	2	22
Erysipelas .....	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1
Syphilis	1	2	1	2	6	3	2	2	1	...	...	1	...	...	...	...	15
Rickets .....	...	...	...	...	...	...	...	...	...	...	...	...	2	...	2	...	4
Meningitis (not Tuberculous) ...	...	1	...	...	1	3	4	4	5	4	2	3	2	2	2	1	33
Convulsions ...	6	5	2	5	18	11	10	7	1	3	3	4	5	3	3	3	71
Bronchitis	1	1	1	3	6	6	10	8	8	5	4	3	8	2	4	4	68
Laryngitis .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pneumonia .....	...	1	...	...	1	2	2	9	3	6	4	9	10	9	8	11	74
Suffocation, overlaying ...	1	1	2	1	5	6	2	2	...	...	...	...	...	...	...	...	15
Other Causes	19	7	8	4	38	18	5	12	10	6	6	...	1	8	3	3	110
Totals	153	51	44	38	286	122	100	111	82	74	72	58	67	65	59	45	1141

Births in the Year { Legitimate ... 6,843
 { Illegitimate ... 216

Deaths from All Causes at all Ages 4,322

Deaths in the Year of { Legit. Infants.. 1074
 { Illegit. Infants. 67

Population (Estimated to middle of 1906).. 234,077

POPULATION, DENSITY, ANNUAL RATES OF BIRTHS, MARRIAGES, AND
REGISTRATION SUB-DISTRICTS, IN EACH

Year.	POPULATION (estimated to the middle of each year).					DENSITY (persons per acre).				
	Borough.	Regent Road.	Green-gate.	Pendleton.	Brough-ton.	Boro'.	Regent Road.	Green-gate.	Pendle-ton.	Brough-ton.
{ 1861	102,920	33,756	37,519	21,649	9,996	19'9	31'7	142'8	9'0	7'0
	104,975	34,928	37,458	22,139	10,450	20'3	32'7	142'4	9'2	7'3
	107,075	36,134	37,389	22,636	10,916	20'7	33'9	142'2	9'4	7'7
	109,262	37,374	37,313	23,182	11,393	21'1	35'0	141'8	9'6	8'0
	111,393	38,646	37,231	23,633	11,883	21'6	36'2	141'5	9'8	8'3
1861-65	107,125	36,167	37,382	22,648	10,928	20'7	33'9	142'1	9'4	7'7
{ 1866	113,614	39,949	37,144	24,136	12,385	22'0	37'4	141'2	10'0	8'7
	115,885	41,294	37,045	24,644	12,902	22'4	38'7	140'8	10'2	9'1
	118,198	42,674	36,941	25,152	13,434	22'9	40'0	140'4	10'4	9'4
	120,526	44,087	36,823	25,658	13,968	23'3	41'3	140'0	10'6	9'8
	122,965	45,551	36,704	26,177	14,533	23'8	42'7	139'4	10'8	10'2
1866-70	118,238	42,711	36,931	25,153	13,444	22'9	40'0	140'4	10'4	9'4
{ 1871	125,890	47,195	36,517	26,920	15,258	24'3	44'2	138'8	11'1	10'7
	130,301	49,301	36,145	28,357	16,498	25'2	46'3	137'4	11'7	11'6
	134,883	51,463	35,747	29,847	17,826	26'1	48'3	135'7	12'4	12'5
	139,618	53,670	35,319	31,386	19,243	27'0	50'3	134'3	13'0	13'5
	144,518	55,921	34,868	32,977	20,752	27'9	52'4	132'6	13'6	14'6
1871-75	135,042	51,510	35,719	29,897	17,916	26'1	48'3	135'8	12'4	12'6
{ 1876	149,591	58,219	34,393	34,617	22,362	28'9	54'7	130'6	14'3	15'7
	154,842	60,561	33,898	36,308	24,075	29'9	56'8	128'8	15'0	16'9
	160,277	62,945	33,379	38,054	25,899	31'0	59'1	126'9	15'8	18'2
	165,899	65,371	32,843	39,848	27,837	32'1	61'4	124'9	16'5	19'5
	171,727	67,839	32,291	41,697	29,900	33'2	63'6	122'8	17'2	21'0
1876-80	160,467	62,987	33,361	38,105	26,014	31'0	59'1	126'8	15'8	18'3
{ 1881	177,760	70,346	31,725	43,598	32,091	34'4	66'0	120'6	18'0	22'5
	179,855	71,237	31,632	44,307	32,679	34'8	66'8	120'2	18'3	22'9
	181,951	72,128	31,540	45,016	33,267	35'2	67'6	120'0	18'6	23'3
	184,047	73,019	31,447	45,725	33,856	35'6	68'5	119'6	18'9	23'7
	186,142	73,911	31,353	46,434	34,444	36'0	69'4	119'2	19'2	24'2
1881-85	181,951	72,128	31,540	45,016	33,267	35'2	67'6	120'0	18'6	23'3
{ 1886	188,238	74,802	31,261	47,143	35,032	36'4	70'4	118'8	19'5	24'6
	190,334	75,693	31,168	47,852	35,621	36'8	71'0	118'5	19'8	25'0
	192,429	76,584	31,075	48,561	36,209	37'2	71'9	118'2	20'1	25'4
	194,525	77,476	30,982	49,270	36,797	37'6	72'8	117'8	20'4	25'8
	196,621	78,368	30,889	49,979	37,385	38'1	73'6	117'4	20'7	26'2
1886-90	192,429	76,585	31,075	48,561	36,208	37'2	71'9	118'2	20'1	25'4
{ 1891	198,775	79,341	30,579	50,891	37,964	38'3	74'5	116'2	21'1	26'6
	200,833	79,341	30,072	52,311	39,109	38'7	74'5	114'3	21'7	27'4
	203,015	79,541	29,571	53,769	40,134	39'1	74'7	112'4	22'3	28'1
	205,220	79,684	29,077	55,272	41,187	39'5	74'9	110'6	22'9	28'9
	207,449	79,783	28,590	56,810	42,266	39'9	75'0	108'7	23'5	29'6
1891-95	203,058	79,538	29,578	53,811	40,132	39'1	74'7	112'4	22'3	28'1
{ 1896*	209,703	71,879	36,055	58,394	43,375	40'4	75'3	92'5	24'1	30'4
	211,981	71,866	35,580	60,023	44,512	40'8	75'3	91'2	24'8	31'2
	214,284	71,797	35,112	61,696	45,679	41'3	75'2	90'0	25'4	32'0
	216,612	71,669	34,650	63,417	46,876	41'7	75'1	88'9	26'2	32'9
	218,965	71,482	34,193	65,185	48,105	42'2	74'9	87'7	26'9	33'7
1896-1900	214,309	71,739	35,118	61,743	45,709	41'3	75'2	90'1	25'5	32'0
{ 1901	221,587	71,435	33,743	67,023	49,386	42'6	74'8	86'5	27'6	34'6
	224,007	71,229	33,468	68,935	50,375	43'1	73'9	85'8	28'4	35'5
	226,480	72,121	33,415	69,909	51,035	43'5	74'8	85'6	28'8	36'0
	228,983	72,436	33,235	71,200	52,112	44'0	75'1	85'2	29'7	36'7
	231,514	74,383	51,111	46,953	59,067	44'5	61'1	73'3	25'9	40'0
1901-1905	226,514	72,319	36,994	64,804	52,395	43'5	71'9	83'3	28'1	36'6
1906	234,077	74,396	51,203	49,025	59,453	45'0	61'1	73'5	27'0	40'3

* In the years 1862, 1868, 1873, 1879, 1884, 1890, 1896, and 1902 the facts are those registered in
Calculations have been made on the populations in the different Districts as revised by the
The populations up to 1901 have been corrected after the results of the Census.

DEATHS, IN THE COUNTY BOROUGH OF SALFORD, AND IN ITS FOUR
OF THE FORTY-SIX YEARS, 1861-1906.

ANNUAL RATES PER 1,000 OF THE POPULATION.

MARRIAGES. Registration Districts.	BIRTHS.					DEATHS.					Year.
	Boro'.	Regent Road.	Green- gate	Pendle- ton.	Brough- ton.	Boro'.	Regent Road.	Green- gate.	Pendle- ton.	Brough- ton.	
11'9	39'7	40'0	43'9	38'0	26'9	24'6	27'8	26'1	21'8	13'8	1861
10'2	39'0	38'7	42'5	39'4	25'9	25'3	29'4	27'8	19'6	14'7	1862
11'7	38'0	37'9	42'0	37'0	26'9	26'0	28'3	29'1	22'5	15'0	1863
12'7	38'6	37'3	44'3	38'2	24'7	26'5	28'7	31'0	21'7	14'6	1864
12'9	37'8	37'3	42'8	36'2	26'4	29'1	32'3	32'8	25'2	14'8	1865
11'9	38'6	38'2	43'1	37'8	26'2	26'3	29'3	29'4	22'2	14'6	1861-65
13'4	37'9	38'5	42'8	35'6	25'9	28'8	32'2	33'9	23'0	13'6	1866
14'3	39'0	40'7	42'2	37'0	28'2	28'2	31'9	31'9	22'8	15'7	1867
13'3	39'3	38'5	43'5	40'4	27'9	30'5	34'3	33'0	28'7	14'9	1868
14'1	38'9	39'1	43'2	38'3	27'6	26'4	29'2	29'2	23'3	15'8	1869
14'1	39'6	41'7	43'1	36'3	30'3	25'8	30'4	27'3	21'3	15'3	1870
13'8	38'9	39'7	43'0	37'5	28'0	27'9	31'6	31'1	23'8	15'1	1866-70
14'6	40'7	43'6	44'2	39'4	26'2	30'3	34'9	32'4	27'2	16'2	1871
15'1	41'4	45'3	44'1	35'7	34'0	25'3	28'9	28'8	20'4	15'6	1872
14'3	41'5	43'7	43'0	40'5	34'1	28'3	32'2	30'1	26'6	16'7	1873
16'2	42'1	45'9	40'9	37'3	41'8	28'2	32'6	29'2	24'9	19'5	1874
17'5	44'4	48'9	41'0	40'9	43'5	29'5	34'8	32'0	23'7	20'6	1875
15'5	42'0	45'5	42'6	38'8	35'9	28'3	32'7	30'5	24'6	17'7	1871-75
20'5	45'5	47'7	43'3	44'1	45'3	29'5	34'5	30'2	24'9	22'4	1876
19'6	44'4	47'0	40'7	43'1	44'7	26'3	31'8	26'3	21'9	19'6	1877
17'9	44'7	46'5	42'5	42'9	45'6	27'1	29'8	28'8	23'6	23'2	1878
15'2	43'0	45'5	40'9	42'5	40'0	26'7	27'5	31'6	24'7	21'5	1879
16'6	41'4	41'3	41'6	42'7	39'5	27'9	31'5	33'2	23'3	20'6	1880
18'0	43'8	45'6	41'8	43'1	43'0	27'5	31'0	30'0	23'7	21'7	1876-80
16'4	38'8	40'2	39'2	38'9	34'7	22'5	24'8	24'9	21'5	16'5	1881
16'9	39'7	41'7	40'6	38'6	35'5	23'7	25'6	28'9	21'0	17'9	1882
16'1	37'3	39'9	38'5	35'2	33'0	23'6	25'8	28'6	21'3	17'0	1883
16'1	38'8	40'3	41'3	36'5	36'5	24'4	26'3	28'4	22'4	19'1	1884
16'1	37'6	40'2	36'7	36'3	34'4	23'0	25'1	28'1	20'7	17'0	1885
16'3	38'4	40'5	39'2	37'1	34'8	23'4	25'5	27'8	21'4	17'5	1881-85
15'3	38'5	39'5	40'3	37'3	36'0	24'8	26'7	30'3	22'1	19'4	1886
15'4	36'6	38'7	37'0	35'5	32'9	25'5	26'2	33'0	24'0	19'4	1887
15'2	37'1	37'7	38'6	37'5	34'1	24'8	27'7	28'2	23'5	17'7	1888
16'7	35'9	37'0	38'1	35'5	32'4	25'1	27'4	28'9	23'6	18'9	1889
17'5	36'1	38'0	38'0	35'9	30'8	27'7	28'9	36'4	25'0	21'6	1890
16'0	36'8	38'2	38'4	36'3	33'2	25'7	27'5	31'5	23'8	19'5	1886-90
18'1	36'3	37'5	38'7	36'4	31'8	26'0	26'8	32'6	25'4	19'5	1891
16'7	35'8	36'6	40'6	36'1	30'0	24'6	26'0	33'8	22'8	17'5	1892
16'2	34'7	36'2	39'1	33'8	29'8	24'1	25'5	31'4	22'9	17'7	1893
17'1	34'3	35'5	40'5	34'1	28'0	21'1	23'0	27'8	18'5	15'9	1894
17'4	35'9	39'0	41'8	33'3	29'9	25'6	28'7	33'8	23'1	17'8	1895
17'1	35'4	37'0	40'1	34'7	29'9	24'3	26'0	31'9	22'5	17'5	1891-95
18'1	35'6	37'7	40'3	35'6	28'3	23'1	25'0	31'0	19'7	18'1	1896
18'6	35'2	37'5	38'8	34'8	29'0	23'9	25'6	33'1	21'8	16'8	1897
18'6	34'9	36'8	37'9	35'3	29'1	22'8	24'3	30'9	20'7	17'0	1898
18'7	34'1	35'6	36'6	35'2	28'2	23'9	26'6	30'6	21'4	18'4	1899
17'3	33'3	34'1	37'3	34'8	27'5	25'3	27'6	36'8	22'7	17'3	1900
18'3	34'6	36'3	38'2	35'1	28'4	23'8	25'8	32'5	21'3	17'5	1896-00
17'8	29'2	30'0	29'1	31'6	24'8	21'7	24'0	28'8	19'8	16'1	1901
18'6	33'7	35'0	37'7	35'2	27'3	19'2	19'6	28'3	17'9	14'3	1902
17'8	32'2	33'7	34'0	33'7	26'6	19'1	22'0	24'6	16'7	14'6	1903
17'6	31'7	34'5	33'3	32'9	25'3	21'0	23'7	28'3	19'5	14'7	1904
17'3	30'9	31'8	35'7	30'6	26'0	17'2	17'6	20'4	18'4	12'8	1905
17'8	31'5	33'0	34'0	30'8	26'0	19'6	21'4	26'1	18'5	14'5	1901-1905
18'0	30'2	31'4	34'3	30'3	24'9	18'5	19'1	22'9	16'0	15'9	1906

53 instead of 52 weeks; corrections have therefore been made in calculating the rates.
Registrar-General in 1896 and again in 1905.

TABLE 6.
ESTIMATED POPULATION, AND ANNUAL RATES OF MORTALITY, AT ALL AGES, AND AT FIVE GROUPS OF AGES,
IN THE FIFTY-TWO WEEKS OF THE YEAR 1906.

	PERSONS.			MALES.			FEMALES.		
	Estimated Population, 1906.	Deaths, 1906.	Rate per 1,000, 1906.	Estimated Population, 1906.	Deaths, 1906.	Rate per 1,000, 1906.	Estimated Population, 1906.	Deaths, 1906.	Rate per 1,000, 1906.
All Ages	234,077	43,22	18.5	113,136	2,233	19.7	120,941	2,089	17.3
Under 5 Years ...	28,160	1,744	61.9	13,955	926	66.4	14,205	818	57.6
5 to 15 " ...	49,519	176	3.6	24,636	84	3.4	24,883	92	3.7
15 to 25 " ...	48,005	167	3.5	22,896	96	4.2	25,109	71	2.8
25 to 65 " ...	101,580	1,496	14.7	48,915	797	16.3	52,665	699	13.3
65 and upwards...	6,813	739	108.5	2,734	330	120.7	4,079	409	100.3

TABLE 7.

POPULATIONS, DEATHS, AND RATES, FOR THE COUNTY BOROUGH OF
SALFORD FOR THE YEARS 1844 TO 1860.

Year.	Population.	Deaths.	Rate per 1000.
1844	75414	1860	24·6
1845	77144	1831	23·8
1846	78874	2576	32·7
1847	80604	2254	28·0
1848	82334	2462	29·9
1849	84064	2577	30·6
1850	85794	2215	25·8
1851	87523	2198	25·1
1852	89304	2487	27·9
1853	91085	2461	27·0
1854	92866	2650	28·5
1855	94647	2527	26·7
1856	96428	2290	23·7
1857	98209	2517	25·6
1858	99990	2986	29·8
1859	101771	2484	24·6
1860	103552	2476	24·0

TABLE 8.

BIRTHS IN THE COUNTY BOROUGH OF SALFORD AND IN ITS REGISTRATION
SUB-DISTRICTS, DISTINGUISHING DEATHS OF LEGITIMATE AND
ILLEGITIMATE INFANTS UNDER ONE YEAR OLD.
IN THE 52 WEEKS OF THE YEAR 1906.

	Births.		Percentage of Illegitimate Births to Total Births.	Deaths under One Year.		Proportion of Deaths under One Year per 1,000 Births.		
	Total.	Illegit.		Total.	Illegit.	Total.	Legit.	Ille .
Borough.....	7059	216	3'1	1141	67	162	157	310
Regent Road District ...	2338	69	2'9	439	24	188	183	348
Greengate ,,	1754	67	3'8	303	17	173	169	254
Pendleton ,,	1484	35	2'4	199	13	134	128	371
Broughton ,,	1483	45	3'0	200	13	135	130	289

CORRESPONDING DATA FOR THE TEN YEARS 1896-1905.

Borough.....	73329	2443	3'3	14651	854	200	195	350
Regent Road District ...	25248	778	3'1	5545	301	220	214	387
Greengate ,,	13003	545	4'2	2925	206	225	218	378
Pendleton ,,	21561	722	3'3	4030	230	187	182	319
Broughton ,,	13517	398	2'9	2151	117	159	155	294

TABLE 9.

AVERAGE ANNUAL RATES OF MORTALITY PER 1,000 LIVING AT CERTAIN AGE-GROUPS IN THE YEAR 1906, AND AT ALL AGES IN THE QUINQUENNIAL PERIODS 1893 to 1897 AND 1898 to 1902.

CAUSES OF DEATH.	At all Ages.			Annual Death-Rates in the Year 1906, at the following Age-Groups, and from certain diseases.				
	Quinquennial Means.		Year.	Under 5 years.	5—15.	15—25.	25—65.	65—
	1893 to 1897.	1898 to 1902.	1906.					
All Causes	23·4	22·6	18·5	61·9	3·6	3·5	14·7	108·5
Small Pox.....	0·0	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Measles	1·1	0·6	0·8	6·5	0·1	0·0	0·0	0·0
Scarlet Fever	0·4	0·3	0·2	1·0	0·3	0·0	0·0	0·0
Diphtheria and Membranous Croup	0·3	0·4	0·4	2·0	0·6	0·0	0·0	0·0
Whooping Cough	0·6	0·6	0·2	1·8	0·0	0·0	0·0	0·0
Continued Fever. {	Typhus		0·0	0·0	0·0	0·0	0·0	0·0
	Enteric		0·4	0·1	0·0	0·3	0·3	0·0
	Continued		0·0	0·0	0·0	0·0	0·0	0·0
Diarrhoea and Dysentery ...	1·7	1·7	1·4	11·7	0·0	0·0	0·0	0·9
Puerperal Fever	0·1	0·0	0·0	0·0	0·0	0·0	0·0	0·0
Phthisis	1·8	1·8	1·7	1·0	0·3	1·1	2·9	0·7
Other Tubercular Diseases...	1·2	0·8	0·6	3·3	0·4	0·1	0·2	0·0
Diseases of {	Brain		2·1	5·2	0·2	0·1	1·2	12·9
	Heart		1·3	0·2	0·3	0·4	1·9	16·0
	Lungs		5·1	8·6	0·4	0·5	3·5	35·8
	Digestive System		1·4	3·9	0·2	0·3	0·9	2·8
Other Diseases.....	5·9	6·1	5·1	16·6	0·7	0·6	3·8	39·4

TABLE 10.

CERTIFICATION OF THE CAUSES OF DEATH IN THE COUNTY BOROUGH OF
SALFORD, AND ITS FOUR REGISTRATION SUB-DISTRICTS,
IN THE YEAR 1906.

	Total Deaths.	Certified by		Not Certified.	Proportion per cent. of Total Deaths.		
		Registered Medical Practitioners.	Coroner.		Certified by		Not Certified.
					Registered Medical Practitioners	Coroner.	
Borough	4322	3984	326	12	92·2	7·5	0·3
Regent Road District	1423	1344	71	8	94·5	5·0	0·5
Greengate	1173	1028	144	1	87·6	12·3	0·1
Pendleton	783	729	53	1	93·1	6·8	0·1
Broughton	943	883	58	2	93·6	6·2	0·2
CORRESPONDING DATA FOR THE TEN YEARS 1896-1905.							
Borough	47189	43488	3238	463	92·1	6·9	1·0
Regent Road District	16727	15552	1004	171	93·0	6·0	1·0
Greengate	10226	9064	1074	88	88·6	10·5	0·9
Pendleton	12542	11654	740	148	92·9	5·9	1·2
Broughton	7694	7218	420	56	93·8	5·5	0·7

TABLE 11.

CAUSES OF DEATH REGISTERED IN EACH OF THE TEN YEARS 1896-1905,
IN 1906, AND THE AVERAGE DECENNIAL NUMBER.

	1896	1897	1898	1899	1900	1901	1902	1903	1904	1905	Average	1906
All Causes	4850	5070	4881	5187	5542	4802	4375	4325	4809	3980	4782	4322
Small-pox .....	...	...	...	...	1	...	1	1	2	...	1	.
Measles	202	473	100	211	125	114	156	131	254	73	184	185
Scarlet Fever	105	61	61	50	99	106	50	57	56	66	76	44
Whooping Cough	187	111	128	99	186	91	118	96	139	46	120	52
Diphtheria & Memb. Croup	52	32	33	75	90	140	75	86	116	81	78	90
Croup	11	7	6	7	8	6	7	9	2	4	7	4
Typhus Fever	1	...	5	...	1	1	12	...	4	...	2	...
Enteric Fever	70	64	73	76	66	75	48	48	47	44	61	41
Other Continued Fever ...	1	2	...	1	...	...	...	1	1	...	1	1
*Epidemic Influenza .....	...	57	40	83	137	34	38	36	31	27	54	33
Simple Cholera .....	...	...	...	...	...	...	...	...	...	...	...	...
Diarrhœa, Dysent:.....	268	446	495	452	318	412	144	224	372	275	341	341
Enteritis	125	166	173	179	101	114	82	84	86	60	117	79
Puerperal Fever	13	6	14	12	12	20	6	7	10	15	12	6
Erysipelas	9	8	5	7	8	12	9	5	8	13	8	6
Other Septic Diseases ...	14	6	8	11	11	11	7	8	11	5	9	11
Phthisis	360	383	394	395	405	396	380	407	452	331	390	393
Other Tubercular Diseases	225	232	194	178	157	154	159	159	194	206	186	141
Cancer	120	130	163	135	136	155	166	148	137	143	143	177
Bronchitis	466	502	470	549	706	517	490	460	485	403	505	458
Pneumonia	557	446	469	591	612	423	477	418	418	413	482	413
Pleurisy	13	5	7	4	10	12	6	4	7	9	8	9
Other D: Respiratory Org.	55	13	17	22	23	16	19	19	26	19	23	26
Alcoholism	35	54	45	50	90	70	45	48	59	45	54	43
Cirrhosis of Liver	30	24	27	19	30	22	16	20	23	28	24	23
Venereal Diseases	154	149	161	172	133	143	166	168	161	149	156	142
Premature Birth.....	479	452	473	490	521	428	459	432	393	373	450	376
Brain & Nervous Diseases	91	70	89	100	146	102	103	90	100	92	98	98
Urinary Diseases	258	242	256	258	234	204	188	201	162	132	214	145
Atrophy and Marasmus...	18	15	17	18	14	18	20	15	12	19	17	20
Dis:&Accid: of Parturition	284	283	259	294	380	339	331	317	376	360	322	336
Heart Diseases	113	115	99	106	118	128	123	119	125	115	116	117
Accidents	21	19	17	13	17	16	14	17	17	25	18	13
Suicides	513	497	583	530	647	523	460	490	523	409	518	499
All other causes												

* Epidemic Influenza is included in "Other Diseases of Respiratory Organs" in 1896.

TABLE 12.

DEATHS REGISTERED IN THE COUNTY BOROUGH OF SALFORD, FROM ALL CAUSES DURING THE YEAR 1906.

DISEASES.	AGES IN YEARS.																							Total.	1 to 5	5 to 15	15 to 25	25 to 65	95 and upwards		
	0 to 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 10	10 to 15	15 to 20	20 to 25	25 to 30	30 to 35	35 to 40	40 to 45	45 to 50	50 to 55	55 to 60	60 to 65	65 to 70	70 to 75	75 to 80	80 to 85	85 to 90	90 and upwards								
I. SPEC: FEBRILE, OR ZY- MOTIC DISEASES	402	232	79	55	29	63	28	36	46	51	56	80	59	45	47	29	18	13	3	5	1	1	1	1	1379	395	91	82	385	24	
II. PARASITIC DISEASES	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...
III. DIETIC DISEASES	136	7	1	...	...	...	...	...	...	1	...	2	5	...	2	...	4	2	...	1	...	...	...	161	8	...	...	14	3	
IV. CONSTITUTIONAL DISEASES	5	2	...	...	...	1	...	2	4	4	3	8	16	21	33	31	27	19	9	2	...	...	...	210	2	1	6	143	53	
V. DEVELOPMENTAL Dis: ...	190	...	2	...	...	...	...	...	...	...	...	...	...	...	...	2	8	9	36	22	36	14	1	320	2	...	...	10	118	
VI. LOCAL DISEASES.....	358	120	29	17	8	42	24	25	41	48	68	72	81	115	131	153	185	174	145	100	53	14	1	2004	174	66	66	853	487		
VII. DEATHS FROM VIOLENCE.	19	4	6	5	3	8	5	5	5	6	8	6	7	4	9	7	2	7	6	4	2	2	...	130	18	13	10	49	21		
VIII. DEATHS FROM ILL-DEFIN- ED & NOT SPECIFIED CAUSES.	28	2	...	2	...	1	4	3	...	1	2	2	4	6	7	7	13	14	8	2	6	2	1	115	4	5	3	42	33		
TOTALS.....	1141	367	117	79	40	115	61	71	96	111	137	170	172	191	229	229	257	238	221	143	100	33	4	4322	603	176	167	1496	739		
I.-Zymotic Diseases.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Sm: Pox { Vaccinated .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Unvaccinated .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
No Statement .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Chicken Pox	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Measles	40	94	27	18	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Scarlet Fever .....	...	7	8	9	5	14	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diphtheria	3	11	13	16	13	30	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...
Membranous Croup .....	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Enteric Fever .....	...	...	1	...	1	...	1	6	6	6	7	6	4	...	2	...	1	...	...	...	...	...	...	...	...	...	...	12	26	...
Typhus Fever .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Continued Fever.....	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Whooping Cough	26	16	7	1	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Asiatic Cholera	260	60	6	3	1	...	...	1	...	...	...	...	1	...	...	2	1	2	2	1	1	...	...	...	...	...	...	1	4	6
Diarrhoea, Dysentery .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Epidemic Enteritis.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Other Allied Diseases .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Epidemic Influenza	2	...	...	...	...	...	...	...	1	1	6	3	1	...	3	2	...	5	5	1	1	1	...	33	...	...	...	2	21	8
Erysipelas	1	1	2	3	3	...
Puerperal Fever.....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Pyæmia Septicæmia	1	...	1	...	1	...	1	...	3	3	3	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

[illegible]

TABLE 13.**Mortality from Special Diseases.—Diminution and Excess.—**

The following table shows the greater or less fatality of disease in 1906, as compared with their simple decennial average numbers in the Borough:—

Cause of Death.	Diminution in 1906.		Excess in 1906.
Small-pox	I	...	—
Measles	—	...	I
Scarlet fever	32	...	—
Fevers	22	...	—
Whooping cough.....	68	...	—
Diphtheria and Membranous Croup.....	—	...	12
Diarrhoeal diseases	—	...	—
Tuberculosis	42	...	—
Premature births.....	14	...	—
Brain and nervous diseases	74	...	—
Heart diseases.....	—	...	14
Respiratory diseases	112	...	—
Urinary diseases	—	...	—
Atrophy and Marasmus	69	...	—
All other causes	66	...	—
	<hr/>		<hr/>
	500		27
	<hr/>		<hr/>
Balance of diminution	473		

TABLE 14.

RECORDED DEATH-RATES PER 1,000, AND THE PROPORTION OF
DEATHS UNDER ONE YEAR OF AGE PER 1,000 BIRTHS,
IN THE 33 GREAT TOWNS, IN 1906.

Towns in the order of their Death-Rates.	Recorded Death- Rate.	Proportion of deaths under one year of age per 1,000 births in the 33 great towns of England and Wales.
England and Wales	15·4	133
England and Wales less the 218 Towns	15·1	116
76 large Towns	15·9	145
142 smaller Towns	14·5	138
Croydon	13·4	127
Cardiff	14·0	138
Derby	14·2	115
Leicester	14·3	168
Bristol	14·5	127
Brighton	14·7	111
Wolverhampton	14·8	140
Halifax	14·9	115
Portsmouth	14·9	130
London	15·1	131
Bolton	15·2	140
Leeds	15·6	151
West Ham	15·7	150
Blackburn	16·0	156
Bradford	16·1	152
Nottingham	16·1	171
Plymouth	16·2	152
Gateshead	16·3	161
Sheffield	16·4	158
Birmingham	16·8	168
Hull	16·9	160
Newcastle	17·1	151
Birkenhead	17·3	151
Huddersfield	17·3	135
Norwich	17·7	172
Swansea	18·3	157
Salford	18·5	162
Sunderland	18·6	140
Oldham	18·8	146
Preston	19·2	199
Manchester	19·2	167
Burnley	19·5	212
Liverpool	20·6	172

TABLE 15.

SHOWING THE BIRTH-RATES, ALSO RATES OF MORTALITY FROM ALL CAUSES, FROM THE SEVEN PRINCIPAL ZYMOTIC DISEASES, AND FROM PHTHISIS, CANCER, NERVOUS DISEASES, HEART DISEASES, BRONCHITIS, AND PNEUMONIA, DURING THE YEARS 1878 TO 1906.

Years.	Popula- tion.	Rates per 1,000 Population from									Deaths under One Year to 1,000 Births.
		Births.	Deaths, All Causes.	Seven Principal Zymotic Diseases.	Phthisis.	Cancer.	Nervous Diseases.	Heart Diseases.	Bronchitis.	Pneumonia.	
1878...	160,277	44.7	27.1	5.4	2.7	0.5	3.5	1.1	3.6	1.8	185
1879...	165,899	43.0	26.7	4.2	2.9	0.4	3.7	1.2	4.3	1.8	170
1880...	171,727	41.4	27.9	7.4	2.7	0.4	3.2	0.9	3.4	1.9	197
1881...	177,760	38.8	22.5	3.0	2.5	0.5	3.1	1.1	3.6	1.6	163
1882...	179,855	39.7	23.7	4.0	2.4	0.4	3.6	1.1	2.8	1.7	177
Average 5 years.		41.5	25.6	4.8	2.6	0.4	3.4	1.1	3.5	1.8	178
1883...	181,951	37.3	23.6	3.4	2.7	0.4	3.1	1.2	3.0	1.7	171
1884...	184,047	38.8	24.4	4.4	2.6	0.5	2.9	1.1	2.8	1.7	184
1885...	186,142	37.6	23.0	3.6	2.6	0.5	2.9	1.2	3.0	1.9	174
1886...	188,238	38.5	24.8	4.1	2.6	0.5	2.8	1.3	3.3	1.8	197
1887...	190,334	36.6	25.5	4.9	2.3	0.5	3.2	1.3	2.9	2.2	195
Average 5 years.		37.8	24.3	4.1	2.6	0.5	3.0	1.2	3.0	1.9	184
1888...	192,429	37.1	24.8	3.9	2.3	0.5	3.0	1.1	3.0	2.1	184
1889...	194,525	35.9	25.1	5.3	1.9	0.6	2.5	1.3	2.6	1.9	181
1890...	196,621	36.1	27.7	4.4	2.2	0.5	2.0	1.3	3.4	3.8	198
1891...	198,775	36.3	26.0	3.4	2.2	0.5	2.2	1.1	3.7	3.0	194
1892...	200,833	35.8	24.6	4.6	1.9	0.6	2.0	1.2	2.6	2.9	186
Average 5 years.		36.2	25.6	4.3	2.1	0.5	2.3	1.2	3.1	2.7	189
1893...	203,015	34.7	24.1	4.2	1.9	0.6	2.0	1.4	2.6	2.3	211
1894...	205,220	34.3	21.1	3.3	1.8	0.6	2.0	1.1	1.9	2.3	174
1895...	207,449	35.9	25.6	5.0	1.9	0.6	2.0	1.3	2.6	2.7	229
1896...	209,703	35.6	23.1	4.2	1.5	0.6	2.3	1.4	2.2	2.7	200
1897...	211,981	35.2	23.9	5.6	1.8	0.6	2.1	1.3	2.4	2.1	219
Average 5 years.		35.1	23.6	4.5	1.8	0.6	2.1	1.3	2.3	2.4	207
1898...	214,284	34.9	22.8	4.2	1.8	0.8	2.2	1.2	2.2	2.2	213
1899...	216,612	34.1	23.9	4.4	1.8	0.6	2.3	1.4	2.5	2.7	211
1900...	218,965	33.3	25.3	4.1	1.8	0.6	2.4	1.7	3.2	2.8	208
1901...	221,526	29.1	21.7	4.2	1.8	0.7	1.9	1.5	2.3	1.9	205
1902...	224,007	33.7	19.2	2.6	1.7	0.7	2.0	1.4	2.1	2.1	157
Average 5 years.		33.0	22.6	3.9	1.8	0.7	2.2	1.4	2.5	2.3	199
1903...	226,480	32.2	19.1	2.8	1.8	0.7	1.9	1.4	2.0	1.8	168
1904...	228,983	31.7	21.0	4.3	2.0	0.6	1.7	1.6	2.1	1.8	193
1905...	231,514	30.9	17.2	2.5	1.4	0.6	1.6	1.6	1.7	1.8	148
1906...	234,077	30.2	18.5	3.2	1.7	0.7	1.6	1.4	2.0	1.8	162

TABLE 16.

DEATHS REGISTERED IN THE COUNTY BOROUGH OF SALFORD,
DURING THE YEAR 1906.

Age.	Males.	Females.
Under 1... ..	612	529
1 to 2... ..	199	168
2 to 3... ..	60	57
3 to 4... ..	39	40
4 to 5... ..	16	24
5 to 10... ..	58	57
10 to 15... ..	26	35
15 to 20... ..	36	35
20 to 25... ..	60	36
25 to 35... ..	130	118
35 to 45... ..	195	147
45 to 55... ..	213	207
55 to 65... ..	259	227
65 to 75... ..	215	244
75 to 85... ..	102	141
85 to 95... ..	12	23
Over 95... ..	1	1
	2233	2089

TABLES.

PART II.

INFECTIOUS DISEASES.

TABLE 17.

CASES OF INFECTIOUS DISEASE NOTIFIED DURING THE YEAR 1906.

NOTIFIABLE DISEASES.	CASES NOTIFIED IN WHOLE DISTRICT.						TOTAL CASES NOTIFIED IN EACH LOCALITY.					No. OF CASES REMOVED TO HOSPITAL FROM EACH LOCALITY.					
	At All Ages.	At Ages—Years.					Borough.	Regent Road.	Greengate.	Pendleton.	Broughton.	Borough.	Regent Road.	Greengate.	Pendleton.	Broughton.	
		Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 65.											65 and upwards.
Small-pox .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cholera .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diphtheria	411	162	179	34	28	...	411	169	78	75	89	298	134	63	44	57	...
Membranous Croup.	21	17	4	...	...	...	21	10	1	4	6	11	7	...	2	2	...
Erysipelas	142	7	15	18	92	8	142	49	34	24	35	44	14	16	8	6	...
Scarlet Fever	904	305	521	50	21	...	904	296	198	193	217	695	246	176	123	150	...
Typhus Fever .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Enteric Fever	225	15	45	59	106	...	225	106	35	70	14	157	89	25	33	10	...
Relapsing Fever .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Continued Fever	1	...	1	...	...	...	1	...	...	...	1	1	...	...	...	1	...
Puerperal Fever ..	21	...	...	5	16	...	21	7	2	4	8	12	4	1	1	6	...
Plague .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals	1725	17	506	765	166	263	1725	637	348	370	370	1218	494	281	211	232	...

Notes.—The localities adopted for this table should be the same as those in Tables 2 and 3.

State the name of the isolation hospital, if any, used by the sick of the district. Mark (H) the locality in which it is situated, or if not within the district, state where it is situated, and in what district. H, Ladywell Sanatorium; H1, Small-pox Hospital, Drinkwater Park, in the Prestwich district. Mark (W) the locality in which workhouse is situated.

TABLE 18.

SHOWING THE NUMBER OF CASES OF INFECTIOUS DISEASE NOTIFIED
TO THE HEALTH DEPARTMENT DURING THE YEARS 1883 TO 1906.

YEAR.	Small-Pox.	Scarlet Fever.	Diphtheria.	FEVER.				Erysipelas.	Total.
				Enteric.	Typhus.	Continued.	Puerperal.		
1883	6	805	81	293	14	...	21	...	1220
1884	5	1154	99	422	35	...	14	...	1729
1885	11	632	54	205	32	...	15	...	949
1886 .....	...	1536	41	288	5	...	12	...	1882
1887	4	1427	83	368	7	...	11	...	1900
Average 5 years	5	1111	72	315	19	...	15	...	1537
1888	52	1128	175	572	31	...	26	...	1984
1889 .....	...	1283	691	485	3	...	14	...	2476
1890 .....	...	985	704	383	6	4	22	76	2180
1891 .....	...	483	231	377	1	6	13	53	1164
1892	7	865	231	347	5	5	26	86	1572
Average 5 years	12	948	406	433	9	3	20	43	1874
1893	168	865	261	563	5	12	30	147	2051
1894	35	1043	242	316	1	14	21	130	1802
1895	4	1167	194	382	...	11	19	111	1888
1896	2	1579	158	291	7	12	24	114	2187
1897 .....	...	714	103	291	...	14	13	121	1256
Average 5 years	42	1074	192	369	3	13	21	125	1836
1898 .....	...	659	97	367	16	14	31	146	1330
1899 .....	...	723	184	273	3	20	26	153	1382
1900	6	1317	309	335	2	8	21	179	2177
1901 .....	...	1320	420	317	1	8	33	230	2329
1902	23	780	292	207	43	6	16	164	1531
Average 5 years	6	960	260	300	13	11	25	174	1750
1903	175	737	335	178	...	1	13	161	1600
1904	57	1043	422	202	10	7	21	168	1930
1905	3	960	363	142	...	7	26	176	1677
1906 .....	...	904	432	225	...	1	21	142	1725

TABLE 19.

SHEWING THE NUMBER OF CASES OF SICKNESS, AND THE DEATHS
REGISTERED IN SALFORD, DURING THE SEVERAL
MONTHS OF THE YEAR 1906.

Months.	Small-Pox.		Scarlet Fever.		Diphtheria and Memb. Croup.		Typhoid Fever.		Puerperal Fever.		Typhus Fever.	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
January	80	2	19	3	17	1	1	...	...	...
February	62	5	26	4	11	6	3	...	...	...
March	70	7	23	6	17	4	2	1	...	...
April	62	3	21	4	17	2	1	...	...	...
May	74	2	23	5	10	2	2	1	...	...
June	88	5	51	12	8	2	2	2	...	...
July	62	2	39	9	15	2	3	...	...	...
August	70	1	32	9	9	...	2	2	...	...
September	102	9	51	10	28	5	...	...	...	...
October	63	3	55	11	50	4	3	...	...	...
November	86	1	59	9	22	5	1	...	...	...
December	85	4	33	8	21	8	1	...	...	...
Totals...	904	44	432	90	225	41	21	6	...	...

TABLE 20.

SALFORD CASES TREATED IN THE CORPORATION HOSPITALS.

	1897		1898		1899		1900		1901		1902		1903		1904		1905		1906	
	Cases Admitted.	Deaths.	Cases Admitted.	Deaths.	Cases Admitted.	Deaths.	Cases Admitted.	Deaths.	Cases Admitted.	Deaths.	Cases Admitted.	Deaths.	Cases Admitted.	Deaths.	Cases Admitted.	Deaths.	Cases Admitted.	Deaths.	Cases Admitted.	Deaths.
Small Pox .....	...	...	1	...	...	...	4	1	...	...	22	...	165	6	54	2	3	...	...	...
Scarlet Fever	506	32	485	52	510	33	1012	81	979	85	588	45	592	41	797	45	767	55	695	39
Diphtheria	26	9	42	12	85	34	133	36	239	73	151	30	207	43	277	67	236	58	279	59
Typhus Fever .....	...	...	15	4	3	...	1	1	1	1	39	12	...	...	7	4	...	...	...	...
Typhoid Fever.....	189	38	240	45	150	32	178	42	166	46	119	29	107	33	129	37	99	32	147	29
Continued Fever ...	...	...	1	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal Fever ...	5	2	8	2	11	3	7	1	11	3	5	1	5	2	6	3	11	3	13	4
Erysipelas	34	2	42	3	35	2	16	2	29	2	34	4	30	2	34	4	48	6	40	4
*Ill-defined or all other Diseases ...	81	12	60	4	154	12	74	12	77	8	203	9	51	1	87	3	77	...	82	8

*The Ill-defined cases include the Nursing Staff who may have been ill.

TABLE 21.

CASES FROM OUT-DISTRICTS TREATED IN THE CORPORATION HOSPITALS.

	1897		1898		1899		1900		1901		1902		1903		1904		1905		1906	
	Cases Admitted.	Deaths.	Cases Admitted.	Deaths.	Cases Admitted.	Deaths.	Cases Admitted.	Deaths.	Cases Admitted.	Deaths.	Cases Admitted.	Deaths.	Cases Admitted.	Deaths.	Cases Admitted.	Deaths.	Cases Admitted.	Deaths.	Cases Admitted.	Deaths.
Small Pox .....	...	...	1	...	...	...	...	...	...	...	8	...	28	5	7	1	2	...	...	...
Scarlet Fever	67	3	73	8	74	12	316	24	377	26	462	29	204	9	198	9	175	10	163	5
Diphtheria	3	1	25	12	76	25	161	37	166	33	180	32	133	26	83	13	42	8	44	8
Typhus Fever .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...
Typhoid Fever ...	6	1	58	11	46	12	38	13	70	22	52	9	21	7	32	6	21	8	26	1
Continued Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal Fever ...	...	...	1	...	...	...	2	2	1	1	1	1	1	...	1	...	1	...	1	...
Erysipelas	1	...	2	...	2	...	4	1	2	1	4	1	1	...	5	1	2	1	1	1
Ill-defined	5	...	10	...	18	4	17	2	18	2	19	1	14	1	14	...	10	...	10	1

TABLE 22.

NOTIFIED CASES AND DEATHS FROM DIPHTHERIA
FOR YEARS 1883 TO 1906.

Year.	Cases Notified.	Deaths.	Percentage.
1883	81	24	29·6
1884	99	22	22·2
1885	54	17	31·5
1886	41	12	29·3
1887	83	21	25·3
1888	175	61	34·9
1889	691	206	29·8
1890	704	206	29·3
1891	231	78	33·8
1892	231	55	23·8
1893	261	56	21·4
1894	242	64	26·4
1895	194	73	37·6
1896	158	52	32·9
1897	103	32	31·1
1898	97	33	34·0
1899	184	75	40·8
1900	309	90	29·1
1901	420	140	33·3
1902	292	75	25·7
1903	335	86	25·7
1904	422	116	27·5
1905	363	81	22·3
1906	432	90	20·8

TABLE 23.

MORTALITY.—RATES PER 1,000 OF THE POPULATION.

SCARLET FEVER.

	1901.	1902.	1903.	1904.	1905.	Mean.	1906.
England and Wales...	0·13	0·15	0·12	0·11	0·11	0·12	0·10
76 Great English Towns ...	0·19	0·14	0·12	0·13	0·15	0·15	0·12
London	0·13	0·12	0·08	0·08	0·12	0·11	0·11
Salford	0·48	0·22	0·25	0·24	0·28	0·29	0·19

DIPHTHERIA.

	1901.	1902.	1903.	1904.	1905.	Mean.	1906.
England and Wales ...	0·27	0·23	0·18	0·17	0·16	0·20	0·17
76 Great English Towns ...	0·26	0·20	0·19	0·16	0·20	0·20	0·19
London	0·30	0·25	0·16	0·16	0·12	0·20	0·15
Salford	0·63	0·33	0·38	0·50	0·35	0·44	0·38

WHOOPIING COUGH.

	1901.	1902.	1903.	1904.	1905.	Mean.	1906.
England and Wales ...	0·30	0·29	0·27	0·34	0·25	0·29	0·23
76 Great English Towns ...	0·37	0·33	0·40	0·29	0·35	0·35	0·28
London	0·35	0·41	0·35	0·32	0·32	0·35	0·27
Salford	0·41	0·52	0·42	0·61	0·19	0·43	0·22

MEASLES.

	1901.	1902.	1903.	1904.	1905.	Mean.	1906.
England and Wales ..	0·27	0·38	0·27	0·36	0·32	0·32	0·27
76 Great English Towns ...	0·49	0·36	0·47	0·39	0·43	0·43	0·40
London	0·43	0·51	0·44	0·49	0·36	0·45	0·41
Salford	0·51	0·68	0·58	1·11	0·31	0·64	0·79

DIARRHŒA.

	1901.	1902.	1903.	1904.	1905.	Mean.	1906.
England and Wales ...	0·91	0·38	0·50	0·86	0·59	0·65	0·87
76 Great English Towns ...	0·54	0·71	1·20	0·83	0·82	1·16	
London	0·87	0·54	0·39	0·83	0·23	0·57	0·96
Salford	1·86	0·63	0·99	1·61	1·18	1·25	1·46

TABLE 24.

CONNECTION OF CASES OF INFECTIOUS DISEASE WITH THE FORM OF
CONVENIENCE, FOR THE YEAR 1906.

	Water Closets.		Midden Privy.		Pail Closet.	
	Number.	Per cent. of Houses with Water Closets.	Number.	Per cent. of Houses with Midden Privies.	Number.	Per cent. of Houses with Pail Closets.
Diphtheria and Membranous Croup	246	0·8	109	1·3	56	0·8
Enteric Fever.	143	0·5	56	0·7	26	0·4

TABLE 25.

HOUSES PROVIDED WITH THE DIFFERENT FORM OF CONVENIENCE,
FOR THE YEAR 1906.

	No. of Houses.	Per cent.
Water Closet	31088	66·2
Midden Privy	8552	18·2
Pail Closet	7292	15·5

TABLES.

PART III.

WORK OF THE HEALTH DEPARTMENT.

TABLE 26.

COMMON LODGING-HOUSES, 1906.

	Regent Road.	Greengate.	Broughton	Total.
Number on Register	3	22	10	35
Number added to Register in 1906..	...	...	...	...
„ removed from „ „	...	3	...	3
Number of Rooms.....	22	129	63	214
„ of Beds	86	907	511	1504
Average Number occupied each night—Males	42	770	174	986
Females .....	...	13	2	15
Notices served on Landlords.....	...	2	6	8
„ „ Keepers .....	...	1	...	1
Number of Day Inspections	79	1164	741	1984
„ Night „	5	25	7	37

TABLE 27.

HOUSES SUB-LET IN LODGINGS, 1906.

District.	No. of houses now registered.	No. of rooms.	Houses found un-registered during the year.		Complaints.	Notices served on	
			Since registered.	Since discontinued.		Land-lords.	Ten-ants.
Regent Road.....	116	358	15	1	2	4	9
Greengate	105	405	31	7	30	44	38
Pendleton	24	56	2	...	2	2	...
Broughton	112	302	26	2	...	...	...
Borough.....	357	1121	74	10	34	50	47

TABLE 28
MILKSHOPS, 1906.

DISTRICT.	No. on Register.	Shippons.	Discontinued.	Newly Registered.	No. of Visits.	Scarlet Fever.	Diphtheria.	Enteric Fever.	Puerperal Fever.	Nursed in Hospital.	Nursed at Home.	Notice issued.	
												Re Signs.	Sanitary.
Regent	228	...	6	4	296	3	...	...	...	2	1	...	8
Greengate ...	119	...	5	8	282	...	...	...	...	...	...	9	5
Pendleton ...	74	4	3	11	283	3	...	...	...	3	...	3	7
Broughton ...	198	7	11	20	385	2	...	...	...	2	...	...	5
Borough...	619	11	25	43	1246	8	...	...	...	7	1	12	25

TABLE 29.

MILK FROM FARMERS' CANS, 1906.

Name and Address.	Result of Analysis.	Place of Delivery.
T.W.C., Aston Grange ...	Pure	Seedley Station.
T.W.C., do. ...	1% of fat abstracted ...	do.
T.W.C., do. ...	Pure	do.
W.H.S., Helsby	5% of added water	do.
W.H.S., do.	8% of added water	do.
H.J., Rimmington	Pure	Pendleton Station
H.J., do.	Pure	do.
H.J., do.	Pure	do.
H.J., do.	Pure	do.
J.A., Preston Brook	Pure	Seedley Station
J.R., do.	Pure	do.
J.R., do.	Pure	do.
W.M., Frodsham	Pure	do.
W.M., do.	Pure	do.
P.D., Dunham Hill	9% added water	do.
P.D., do.	8% added water	do.
W.G., Ince, near Chester	14% of added water ...	Ordsall Lane Station

TABLE 30.

SAMPLES COLLECTED BY THE INSPECTOR UNDER THE "SALE OF FOOD
AND DRUGS ACT," FROM 1875 TO 1906,

	Total.	Milk.	Butter.	Bread and Flour.	Drugs.	Gro- ceries.	Beer and Porter.	Wines and Spirits.	S'ndries
1875...	60	37	1	1	1	...	7	4	9
1876...	119	43	2	18	34	17	...	...	5
1877...	390	114	7	159	22	30	18	37	3
1878...	418	197	10	35	31	25	24	70	26
1879...	518	306	16	130	15	28	10	13	...
1880...	506	269	12	48	5	52	71	18	31
1881...	478	376	11	1	...	61	...	8	21
1882...	465	300	7	47	13	3	58	20	17
1883...	497	436	1	29	1	12	...	2	16
1884...	507	359	10	35	7	...	64	11	21
1885...	478	399	21	14	4	13	21	...	6
1886...	483	361	6	21	...	36	1	22	36
1887...	472	355	2	...	...	25	42	43	5
1888...	883	701	6	...	30	83	...	9	54
1889...	832	652	35	...	21	85	15	17	7
1890...	874	591	41	38	24	64	12	49	55
1891...	901	611	20	20	18	134	23	74	1
1892...	853	613	78	31	13	61	7	44	6
1893...	955	855	15	1	...	51	6	27	...
1894...	765	676	50	1	...	35	...	3	...
1895...	767	633	58	7	1	25	...	12	31
1896...	730	419	247	5	...	21	13	20	5
1897...	791	460	236	32	...	24	...	39	...
1898...	771	365	332	16	7	25	...	14	12
1899...	763	338	389	...	5	11	...	...	20
1900...	752	297	327	14	...	33	48	9	24
1901...	760	312	388	10	...	11	26	...	13
1902...	785	296	440	5	...	31	...	...	13
1903...	825	312	355	12	...	70	13	15	48
1904...	826	284	285	6	2	216	1	22	10
1905...	801	325	245	7	...	193	...	16	15
1906...	894	369	237	9	4	237	...	5	33

Table 30.—*continued.*

PERCENTAGE OF ARTICLES RETURNED AS ADULTERATED.

	Total.	Milk.	Butter.	Bread and Flour.	Drugs.	Gro- ceries.	Beer and Porter.	Wines and Spirits.	S'ndries
1875...	66.6	62.1	100.0	0.0	0.0	...	100.0	75.0	66.6
1876...	40.3	55.8	50.0	27.8	35.3	17.6	...	...	60.0
1877...	27.4	40.3	28.6	11.3	13.6	6.7	0.0	97.3	0.0
1878...	29.9	29.4	10.0	2.9	51.6	4.0	4.2	67.1	0.0
1879...	12.0	13.1	25.0	5.4	26.6	10.7	10.0	2.3	...
1880...	20.2	25.2	75.0	6.3	0.0	17.3	11.3	11.1	9.7
1881...	16.3	18.1	9.1	0.0	...	1.6	..	37.5	23.8
1882...	15.5	19.0	14.3	2.1	53.8	0.0	1.7	10.0	17.6
1883...	6.6	6.7	0.0	3.4	0.0	8.3	...	50.0	6.3
1884...	7.1	2.8	40.0	5.7	57.1	...	0.0	27.3	61.9
1885...	5.2	4.8	4.8	7.1	0.0	15.4	0.0	...	33.2
1886...	3.9	1.1	50.0	0.0	...	25.0	0.0	0.0	8.3
1887...	8.7	9.9	0.0	...	...	8.0	2.4	7.0	0.0
1888...	6.3	2.8	100.0	...	26.6	13.3	...	0.0	20.4
1889...	10.1	7.3	22.8	...	28.5	24.7	0.0	0.0	14.2
1890...	5.1	1.9	50.0	0.0	0.0	15.6	0.0	30.6	12.7
1891...	6.1	1.4	35.0	10.0	0.0	22.3	0.0	9.4	0.0
1892...	7.4	4.2	29.5	0.0	23.1	18.0	0.0	0.0	0.0
1893...	6.6	4.0	26.7	0.0	0.0	17.6	0.0	59.3	0.0
1894...	1.2	1.1	2.0	0.0	...	0.0	...	0.0	...
1895...	2.3	1.2	15.5	0.0	0.0	8.0	...	0.0	0.0
1896...	4.1	2.4	6.5	0.0	...	0.0	0.0	20.0	0.0
1897...	4.3	4.3	4.2	0.0	0.0	0.0	0.0	7.7	0.0
1898...	1.9	1.6	1.8	0.0	2.9	0.0	...	7.1	0.0
1899...	3.9	2.4	4.4	...	100.0	0.0	...	...	0.0
1900...	3.7	3.4	0.9	0.0	...	0.0	25.0	33.3	4.2
Average,									
1891-00	4.1	2.6	12.6	1.1	17.7	5.8	4.1	13.7	0.5
1901...	1.7	2.9	1.0	0.0	...	0.0	0.0	...	0.0
1902...	1.1	1.7	0.9	0.0	...	0.0	...	...	0.0
1903...	0.6	1.3	0.0	0.0	0.0	0.0	0.0	0.0	2.0
1904...	3.6	3.5	2.1	0.0	0.0	0.9	0.0	54.5	0.0
1905...	1.9	2.5	1.6	0.0	...	0.0	...	12.5	6.6
1906...	1.7	3.5	0.0	0.0	0.0	0.8	...	0.0	0.0

TABLE 31.

BAKEHOUSES, 1906.

	Regent.	Green- gate.	Pendle- ton.	Brough- ton.	Total.
Total Number Registered	122	71	67	74	334
„ „ added to Register	44	29	27	24	124
„ „ Discontinued	14	9	14	7	44
Number of Ovens	130	98	92	93	413
Number of Underground Bakehouses—					
Certified by Local Authority	1	1	...	...	2
Discontinued .....	...	1	4	...	5
Iron Ovens.....	52	26	38	42	158
Wagon „	31	43	28	26	128
Gas „	47	29	26	25	127
Employees—Males	71	81	44	55	251
Females	71	46	62	46	225
Notices Served .....	...	3	2	1	6

TABLE 32.

SHOP HOURS ACT, 1892.—RETURN, 1906.

District.	Total number of Inspec- tions of Shops.	Total Number of Shops on the Register	Number of Young Persons under 18 years of age Employed.	Male.	Female.	Prosecutions.	Convictions.	Dismissed.	Cautioned.
Regent Road	505	185	205	217	20	...	...	...	...
Greengate.....	200	81	120	110	8	...	...	...	...
Pendleton	496	158	310	240	20	...	...	...	...
Broughton	207	81	140	140	20	...	...	...	...
Borough.....	1408	505	775	707	68	...	...	...	...

TABLE 33.

CASES HEARD BEFORE MAGISTRATES, 1906.

Particulars of Offence.	No. of Cases	Decision of Justices.	Total Fines without Costs.
			£ s. d.
Exposing for sale beef, mutton, liver and hearts, the same being unfit for the food of man.....	1	Fined with costs	1 11 0
Selling to complainant milk not of the nature, substance and quality demanded	6	Fined with costs	9 15 0
Permitting dense smoke to be emitted from works.....	4	Fined with costs	9 10 0
Neglecting to abate nuisance arising from chimney sending forth black smoke	12	Fined with costs	18 10 0
Owners of locomotive engines negligently using furnaces..	14	{ 9 fined with costs 3 withdrawn 2 dismissed }	16 0 0
Masters of canal boats not complying with Byelaws under the Canal Boats Act	2	Fined with costs	0 11 0
Masters of canal boats not complying with regulations for carrying offensive cargo	4	{ 2 fined with costs 2 withdrawn }	1 2 6
Masters of canal boats failing to show certificate of registration	2	{ 1 fined with costs 1 withdrawn }	0 10 0
Owners of canal boats failing to paint same once every three years	1	Fined with costs....	1 0 0
Carried forward	46	.....	£ 58 9 6

TABLE 33.—*Continued.*CASES HEARD BEFORE MAGISTRATES.—*Continued.*

Particulars of Offence.	No. of Cases	Decision of Justices.	Total Fines without Costs.		
			£	s.	d.
Brought forward ..	46		58	9	6
For non-separation of sexes on } canal boats	1	Fined with costs....	0	5	0
Masters of canal boats making } default in complying with } regulations as to cleanliness } of cabins.....	5	{ 3 fined with costs. } { 2 dismissed }	0	15	0
Master of canal boat making } default in complying with } Regulation made as to No. of } persons allowed to dwell on a } canal boat.....	1	Fined with costs	0	5	0
Neglecting to carry into effect } notices from Urban Sanitary } Authority	1	Withdrawn.....			
For keeping unregistered com- } mon lodging-house	3	Fined with costs....	2	0	0
Not complying with bye-laws <i>re</i> } common lodging houses	3	Fined with costs....	1	7	6
For permitting common lodging- } houses to be overcrowded.... }	16	{ 8 fined with costs } { 8 withdrawn }	1	16	0
For keeping nightly lodgers in a } sub-let house	1	Fined with costs....	1	0	0
For permitting sub-let houses to } be overcrowded	1	Withdrawn			
Carried forward....	78	....	£	65	18 0

TABLE 33.—*Continued.*CASES HEARD BEFORE MAGISTRATE.—*Continued.*

Particulars of Offence.	No. of Cases	Decision of Justices.	Total Fines without Costs.
Brought forward ..	78		£ s. d. 65 18 0
Seamen's lodging-house un- licensed	4	Fined with costs....	5 15 0
Not complying with bye-laws as to Seamen's lodging-houses ..	3	Fined with costs....	0 6 0
For receiving a female lodger in a Seamen's lodging-house....	1	Withdrawn	
Occupier of dwelling-house suffer- ing interior to be in a con- dition prejudicial to health ..	2	Fined with costs....	1 2 6
Owners of premises letting same after having been declared closed	2	{ 1 fined 1 dismissed }	1 0 0
For not complying with order of the Council under the Boot Retailers Shop Hours Act....	7	Fined with costs....	4 2 6
Totals	97		£ 78 4 0

TABLE 34.

New W.C.'s provided January 1st to December 31st, 1906 :—

Regent District	839
Greengate	483
Pendleton	399
Broughton	670
	<u>2391</u>

W.C.'s provided to new houses during the same period :—

Regent District	43
Greengate	17
Pendleton	306
Broughton	153
	<u>519</u>

TABLE 35.

NEW DWELLINGS ERECTED.

Date.	Salford.	Broughton.	Pendleton.	Totals.
1901	49	304	465	818
1902	273	186	274	733
1903	158	216	254	628
1904	82	227	290	599
1905	33	92	494	619
1906	20	149	350	519
	615	1174	2127	3916

INSANITARY DWELLINGS DEMOLISHED.

Date.	Salford.		Broughton.	Pendleton.	Totals.
	Regent.	Greengate.			
1901 .....	...	74	...	...	74
1902	31	48	...	...	79
1903	9	97	...	...	106
1904 .....	...	67	3	...	70
1905 .....	...	8	12	...	20
1906 .....	...	71	2	3	76
	40	365	17	3	425

TABLE 36.

YEAR 1906.

METEOROLOGY, AND REGISTERED DEATHS FROM ALL CAUSES, AND FROM CERTAIN PREVALENT DISEASES, IN EACH WEEK OF THE YEAR.

Week.		Temperature of the Air			Temperature— 4-feet below ground	Mean Humidity. Complete Saturation = 100.	Rainfall in Inches.	Deaths Registered from				
Date of ending.	Highest during the Week.	Lowest during the Week.	Mean Temperature.	All Causes.				Seven Zymotic Diseases.	Diarrhoea.	Bronchitis and Pneumonia.	Phthisis.	
1906.												
Jan.	6.....	49.3	27.5	39.4	43.5	96	1.246	83	8	...	23	9
	13.....	47.9	32.5	40.6	43.4	93	1.228	66	4	...	23	4
	20.....	48.8	27.4	39.6	43.3	88	1.463	82	3	2	27	10
	27.....	51.9	25.5	41.1	42.9	91	0.465	85	6	...	26	6
Feb.	3.....	52.5	33.0	43.7	43.0	87	0.715	76	5	...	18	4
	10.....	46.6	22.5	36.0	43.1	86	0.775	66	6	...	18	8
	17.....	46.2	28.0	35.8	41.7	95	0.385	79	8	2	12	13
	24.....	44.2	23.0	34.8	41.1	96	0.540	82	9	1	22	9
Mar.	3.....	51.4	27.4	38.0	40.4	92	1.175	72	6	...	18	12
	10.....	57.4	29.5	43.6	41.2	92	1.057	67	7	...	19	4
	17.....	58.5	23.5	40.8	42.5	88	1.118	67	8	...	14	8
	24.....	56.5	30.2	39.5	42.1	83	0.123	79	7	1	21	5
	31.....	51.4	28.5	38.1	42.5	83	...	72	6	1	12	3
April	7.....	63.1	33.5	46.3	42.9	70	0.010	85	7	1	23	7
	14.....	71.1	35.5	48.8	44.4	66	0.075	83	5	2	17	4
	21.....	63.1	30.5	44.8	45.9	72	0.122	103	6	...	18	16
	28.....	52.7	30.6	40.7	46.3	75	1.077	89	6	1	25	4
May	5.....	55.9	32.0	44.2	45.1	71	0.860	83	12	1	26	7
	12.....	66.7	42.0	53.0	46.4	78	0.364	92	13	1	19	8
	19.....	68.6	39.0	48.1	48.2	78	0.349	87	12	1	30	3
	26.....	69.2	40.2	48.3	48.4	80	1.285	93	9	...	19	8
June	2.....	65.4	45.5	54.4	49.2	81	0.555	82	14	...	17	11
	9.....	74.6	40.5	56.0	51.0	70	...	63	8	...	12	5
	16.....	78.8	48.6	56.8	53.1	74	0.215	76	14	1	17	7
	23.....	77.3	48.4	60.8	54.3	76	0.844	71	14	...	15	10
	30.....	70.2	45.1	57.4	55.8	81	0.244	70	13	2	10	10
July	7.....	77.9	48.5	59.4	56.3	76	0.165	67	16	2	17	5
	14.....	73.2	47.6	57.0	57.2	75	0.547	64	9	2	10	9
	21.....	72.6	49.0	57.3	57.1	83	0.693	65	11	5	16	9
	28.....	77.6	50.7	62.5	57.7	73	0.420	58	12	1	10	8
Aug.	4.....	78.7	55.5	64.2	60.3	68	0.291	74	13	4	10	9
	11.....	79.5	50.9	62.4	59.9	74	0.732	95	33	14	11	8
	18.....	71.0	51.0	59.2	60.0	78	1.289	104	27	18	13	9
	25.....	73.6	50.0	60.4	59.6	84	0.805	93	32	26	8	8
Sept.	1.....	91.5	51.0	65.3	60.1	63	...	104	58	51	10	6
	8.....	92.0	49.0	63.0	61.1	70	0.552	101	52	43	9	...
	15.....	69.9	42.9	56.0	60.8	74	1.152	92	48	42	7	4
	22.....	65.2	44.9	55.5	59.1	75	0.081	126	48	39	13	10
	29.....	68.4	35.5	49.6	57.7	77	...	87	25	18	10	9
Oct.	6.....	68.0	40.0	56.2	56.6	85	0.598	94	23	18	12	6
	13.....	66.6	42.9	56.4	56.7	79	0.934	77	23	14	14	7
	20.....	57.9	33.5	45.6	55.6	84	2.108	81	17	11	14	7
	27.....	67.2	36.5	50.6	54.0	87	0.844	70	13	2	12	1
Nov.	3.....	56.4	38.6	45.7	52.7	90	1.036	82	13	1	15	7
	10.....	54.1	32.9	45.3	51.0	92	0.132	79	12	5	12	10
	17.....	51.8	30.0	42.6	49.5	88	0.882	96	13	...	22	15
	24.....	61.3	31.8	45.9	48.1	96	0.796	72	2	...	19	8
Dec.	1.....	57.9	37.0	46.6	48.2	89	0.864	101	17	3	22	8
	8.....	54.4	32.6	44.0	48.4	89	1.370	87	8	1	27	7
	15.....	43.3	28.9	36.3	46.2	91	1.179	91	13	2	20	9
	22.....	51.0	30.4	41.5	44.5	88	0.210	89	7	...	22	7
	29.....	45.0	23.0	31.9	43.9	87	0.545	92	7	..	26	13

TABLE 37.

METEOROLOGY.

TEMPERATURES IN QUARTERS AND YEARS.

TEMPERATURE IN SHADE.									
MEAN MAXIMUM.					MEAN MINIMUM.				
	1904.	1905.	1906.		1904.	1905.	1906.		
1st Quarter...	51 ^o ·5	52 ^o ·7	50 ^o ·9	1st Quarter...	27 ^o ·7	29 ^o ·8	27 ^o ·6		
2nd „ ...	67·4	66·8	67·4	2nd „ ...	38·9	38·0	39·3		
3rd „ ..	74·8	70·7	76·2	3rd „ ...	45·1	45·3	48·2		
4th „ ...	56·9	52·8	56·5	4th „ ...	29·0	30·1	33·7		
	—	—	—		—	—	—		
Year...	62·6	60·7	62·8	Year...	35·2	35·8	37·2		
MEAN TEMPERATURE.					MEAN TEMPERATURE— 4 FEET BELOW GROUND.				
	1904.	1905.	1906.		1904.	1905.	1906.		
1st Quarter...	39 ^o ·4	41 ^o ·5	39 ^o ·3	1st Quarter...	41 ^o ·7	42 ^o ·6	42 ^o ·3		
2nd „ ...	52·0	50·3	50·7	2nd „ ...	48·8	49·8	48·5		
3rd „ ...	58·4	57·4	59·4	3rd „ ...	58·7	58·7	59·0		
4th „ ...	43·6	41·9	45·3	4th „ ...	49·9	48·1	50·4		
	—	—	—		—	—	—		
Year...	48·3	47·8	48·7	Year...	49·8	49·8	50·1		
MEAN HUMIDITY.					AMOUNT OF RAINFALL.				
	1904.	1905.	1906.		1904.	1905.	1906.		
1st Quarter...	85	90	90	1st Quarter...	7·94	7·27	10·29		
2nd „ ...	73	77	75	2nd „ ...	4·60	5·76	6·00		
3rd „ ...	73	76	75	3rd „ ...	6·90	9·58	6·73		
4th „ ...	84	88	88	4th „ ...	5·60	7·30	11·49		
	—	—	—		—	—	—		
Year...	79	83	82	Year...	25·04	29·91	34·51		

TABLE 38.

Register of Work Done—Year ending, December 29th, 1906.

No. of Complaints received		2677
Inspections of	Dwelling-houses	8814
	Schools	1129
	Factories	16
	Canal Boats	1093
	Common Lodging-houses (Day)	1984
	" " " (Night)	37
	Sub-let " " (Day)	1689
	" " " (Night)	133
	Seamen's Lodging-houses (Day)	1078
	" " " (Night)	64
	Slaughter-houses	302
	Dairies and Milk-shops	1246
	Shippens	248
	Piggeries	51
	Van Dwellings	110
	Tips.....	104
	Workshops.....	1756
	Domestic Workshops	97
	Outworkers' Premises	563
	Ice Cream Shops	28
	Re Offensive Trades	269
	Re Boot Retailers.....	1677
	Re Midwives	239
	Re Infantile Diarrhœa.....	289
	Miscellaneous	1708
	Bakehouses	987
	Laundries	157
	Urinals { Public	424
	{ Private	896
	Re Infectious Disease	6885
Re-inspections.....		12328
Action taken..	Notices issued	2358
	" uncomplied with.....	332
	Letters written.....	11384
Disinfection—	Summons issued	98
	Houses Disinfected	1530
	Repairs.....	947
House Drains.	Reconstructed	3186
	Trapped	429
	Slopstone Pipes discon : from	9
Privies and Ashpits	Downspouts disconnected from.....	53
	Emptied after Complaint.....	711
	New, provided	2391
Water Closets.	Ventilated	2
	Soil-pipes ventilated.....	7
	Urinals provided .....	...
Limewashed...	Dwelling-houses	20
	Cellars	14
	Lodging-houses	57
	" " Sub-let	23
	Bakehouses	207
	Slaughter-houses	35
	Dairies and Milkshops.....	69
	Workshops	134
	Workshops (Domestic)	2
	Outworker's premises	14

Register of Work Done—(Continued).

Limewashed...	{	Laundries	14
		Shippons	9
		Urinals	27
Closure of.....	{	Houses unfit for habitation.....	88
		Cellars unfit for habitation .....	...
		Lodging-houses .....	...
Newly registered ...	{	" " Sub-let	74
		Slaughter-houses .....	...
		Workshops.....	75
		" (Domestic).....	36
		Dairies and Milkshops.....	43
		Bakehouses	124
		Laundries	2
		Second-hand Goods Stores... ..	39
		Offensive Trades .....	...
		Accumulations { Manure and Refuse	197
Removed ...	{	Stagnant Water.....	35
		Observations taken	3662
Smoke Nuisance	{	Notices served	37
		Cautionary Notices served	527
		Flagged	64
Passages and Yards	{	Repaired.....	734
		Drained	25
		Infected Bed : { Stoved.....	1185
and Clothing. {	{	Destroyed	16
		Food Samp. purch. for analysis	894
Bad Meat		Seizures made	288
Animals removed from improper situations.....			20
Overcrowding of dwellings abated			44
Houses repaired, by owners, after notice			809
,, cleansed			134
Canal Boats painted			30
,, defective			91
,, repaired			33

APPENDIX.

[APPENDIX.]

COUNTY BOROUGH OF SALFORD.

ALCOHOLISM AND PHYSICAL
DETERIORATION.

THE HEALTH COMMITTEE desires to draw attention to the Report of the *Committee on Physical Deterioration* presented by command of His Majesty, to both Houses of Parliament, in which attention is called to the serious effects of the Excessive use of Alcohol, whether contained in Beer Wine, or Spirits.

The Report states that the *abuse of Alcoholic Liquors is a most potent and deadly agent of physical deterioration.*

Alcohol when taken in large amount acts as a *narcotic drug.*

Intemperance in Alcoholic Liquors impairs the power for work both of mind and body.

Intemperance supplies many Recruits to the Prison, the Workhouse, and the Lunatic Asylum.

Intemperance in Parents often brings *want and disease to the Children.*

When taken *habitually*, beyond certain small total daily amounts, *Alcohol is a Chronic Poison* and injures

the *nervous system*, the *heart*, the *lungs*, the *digestive organs*, and the *muscles*.

Intemperate persons are specially liable to be attacked by *consumption*.

They die, in great numbers, in what should be the prime of life, *from the effects on the vital organs of repeated doses*.

When they are attacked by *Pneumonia*, *Bronchitis*, *Erysipelas*, or *any infectious disease*, their chances of recovery are much reduced.

By Order,

CHAS. H. TATTERSALL,
Medical Officer of Health.

Public Health Office,
Town Hall, Salford,

October, 1906.